MODEL

HTM-1517R

MULTI-FORMAT
COLOR MONITOR

SERVICE MANUAL

(FOR FIELD ENGINEER)

Ikegami

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

SA 1965 SA 1966

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SA 1965

The lightning flash with arrowhead inside a triangle is intended to warn the user that parts inside the product are dangerous and many cause electric hazards.

SA 1966

The exclamation mark inside a triangle is intended to inform users that important operating and servicing instructions are provided with the equipment.

WARNING: FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS (REFER TO SERVICE LITERATURE).

DECLARATION of CONFORMITY:

The "CE" mark means the products as mentioned below will meet the intent of the following Directives and Standards.

Inrush current according to EN55103-1 Annex B is 47.5A.

Directives : 93/68/EEC, 89/336/EEC, 92/31/EEC for EMC (electromagnetic compatibility)
73/23/EEC for Low voltage (Safety)

Standards : EN55103-1-E4, EN55103-2-E4, EN60950-1

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR WATER.

Instructions for Disposal of Electric and Electronic Equipment in Private Household

Disposal of used Electric and Electronic Equipment
(Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, or in the related documents in the package, indicates that this product shall not be treated as normal household waste. Instead, it should be taken to a proper applicable collection point or depot for the recycling of electric and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent possible negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources.
For more detailed information about recycling of this product, please contact your local city authority, your household waste disposal service or the place where you purchased the product.

NOTE:
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION;
ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PART RESPONSIBLE FOR COMPLIANCE COULD VOID THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.

IMPORTANT SAFETY INSTRUCTION

1. General

1) Read all instructions provided.
2) Save these instructions for future use.
3) Follow all warnings and instructions marked on the television equipment.
4) Never insert objects of any kind into this television monitor through cabinet slots as they may come in contact with dangerous voltage points or short out parts, resulting in fire or electric hazards, Never spill liquid of any kind on the television monitor.
5) Do not attempt to service this television monitor yourself as operating or removing covers many expose you to dangerous voltage or other hazards, Refer all servicing to qualified service personnel.
6) Do not use attachments not recommended by the television equipment manufacturer as they may result in the risk of fire, electric shock, or injury to persons.
7) This television monitor has been preadjusted to meet the respective broadcasting standard signals. So, it cannot be used with the signals of different broadcasting standards.
8) When keeping or transporting the unit for a long time, pack it in the supplied carton or equivalent.

2. Power supply

1) This television equipment should be operated only from the type of power source indicated on the marking label.
2) This television equipment is provided with a three-wire grounding type plug with a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet.
   Do not defeat the safety purpose of the grounding-type plug.
3) When connecting and disconnecting the power cable, be sure to hold the plug.
4) Do not allow anything to rest on the power cord. Do not place this television equipment where the cord will be abused by persons walking on it.
5) For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the equipment due to lightning and power-line surges.
6) Do not overload wall outlets and extension cords as this can result in fire or electric shock.

3. Usage and location

1) Do not use this television equipment near water - for example, near a bath tub, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, or the like.
2) Do not place this television equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to children and adults, and serious damage to the equipment. Use only with a cart or stand recommended by the manufacture, or sold with the television equipment. Wall or shelf mounting should follow the manufacture's instructions, and should use a mounting kit approved by the manufacture.
   Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



IMPORTANT SAFETY INSTRUCTION

3) Slots and openings in the cabinet and the back or bottom are provided for vitiation, and to ensure reliable operation of the monitor and to protect it from overheating, these openings should never be blocked or covered. The openings should never be blocked by placing the television equipment on a bed, sofa, rug, or other similar surface. (This television equipment should never be placed near or over a radiator or heat register.)
   This television equipment monitor should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
4) Avoid operating or placing (keeping) in a hot (+40°C or over) or cold (less than 0°C), high vibration, or dusty place. Avoid operating or placing (keeping) in a place exposed to direct sunlight, otherwise the CRT surface may deteriorate.
5) If an image of extremely high brightness is displayed on the screen for a long time, the CRT may get burned in.

4. Cleaning

1) Unplug this television equipment from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
2) Do not use thinner or benzine for cleaning. Otherwise, the cabinet may deform or the paint may peel away.

5. Repair

1) Unplug this television monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:
   a. When the power cord or plug is damaged or frayed.
   b. If liquid has been spilled into the television.
   c. If the television monitor has been exposed to rain or water.
   d. If the television does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television monitor to normal operation.
   e. If the television monitor has been dropped or the cabinet has been damaged.
   f. When the monitor exhibits a distinct change in performance - this indicates a need for service.
2) When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacture that have the same characteristics as the original part. Unauthorized substitutions may result in fire. Electric shock, or injury to persons.
3) Upon completion of any service or repairs to this monitor, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.
4) For repair service, contact **Ikegami**'s authorized sales representative or **Ikegami** service desk directly.

PRECAUTIONS FOR OPERATIONS

1) Never let this unit fall or subject it to strong shock.

2) Do not remove the cabinet unless necessary. High-voltage parts are contained in the cabinet and they are very dangerous if you touch then. Only qualified service engineers are allowed to adjust the internal parts of the cabinet.

3) This color monitor has been adjusted to signals conforming to each broadcasting standard.
It cannot be used for signals of different broadcasting standards.
Be sure to operate the color monitor within the voltage range marked on its back.

4) If cabinet or screen is dirty, wipe with soft cloth. At this time, avoid using benzine or thinner.
Otherwise, the paint may peel away.

5) Note that, if video signals with high luminance are monitored on the CRT over a long period of time, the CRT may burn in the image.

6) Avoid using or storing this unit in the following places:
   - Hot (+40ºC or more) or cold (0ºC or less) places.
     Especially where this unit may be exposed to the direct rays of the sun; the cabinet may deform and the fluorescent screen of the CRT may deteriorate.
   - Humid and dusty places.
   - Places where there is considerable vibration.
   - Places exposed to rain or water.
   - When storing or transporting this unit, pack it in the supplied carton or equivalent.

7) If no image can be monitored even after performing user adjustment or the unit appears faulty, do not dismantle this unit by yourself. In such cases, contact the **Ikegami** service desk.

8) Should this unit fail within one year after delivery, it will be repaired free of charge unless the malfunction was caused by mishandling or misuse of the user.
However, the fuses are not covered by the warranty.

9) The specifications and appearance of this unit may be subject to change for further improvement without prior notice.

Precautions Upon Use

To ensure safe use of this monitor, read this manual carefully, paying particular attention to the following items.

1. **Do not use any power supply other than the regulation AC power.**
   The socket-outlet shall be installed near the equipment and shall be easily accessible.

2. **Do not subjecting the monitor to strong impact.**
   Otherwise, it will result not only in malfunction, but explosion of the CRT as well.

3. **Avoid use and storage in the following places.**
   * **Locations which do not meet the designated ambient temperature**
     installing the monitor near equipment generating heat or in cabinets with closed vents causes the internal temperature of the monitor rise, which not only reduces the life of the electrical parts but also causes malfunction.
   * **Locations with rain, snow, or excess humidity**
     Locationing the monitor in the above conditions will cause malfunction.
   * **Strong magnetic fields**

4. **Avoid exposing the CRT to sunlight**
   Subjecting the CRT to direct sunlight for a long period of time deteriorates the florescent faces of the CRT. So avoid use outdoors.

5. **Avoid exposing to high luminance fixed image for long periods of time**
   Take care as this will cause burning of the CRT.
   Also avoid displaying remote numbers in the remote entry state (remote numbers are displayed when the wireless remote controller is used) for long periods of time. When not using the wireless controller, set the remote number displayed on the screen to OFF.

Guarantee

Malfunctions occurring in normal use within one year from the date of purchase will be repaired free of charge. This does not apply to the fuses.
If no image is displayed after user adjustment or if malfunction is suspected, contact your nearest Ikegami dealer.

Accessories

This monitor is provided with the following accessories.
Check that none is missing.

1. Operation manual
2. AC cable
3. Remote connector

* Specifications and external dimensions are subject to change without prior notice.

1. MAINTENANCE and ADJUSTMENT

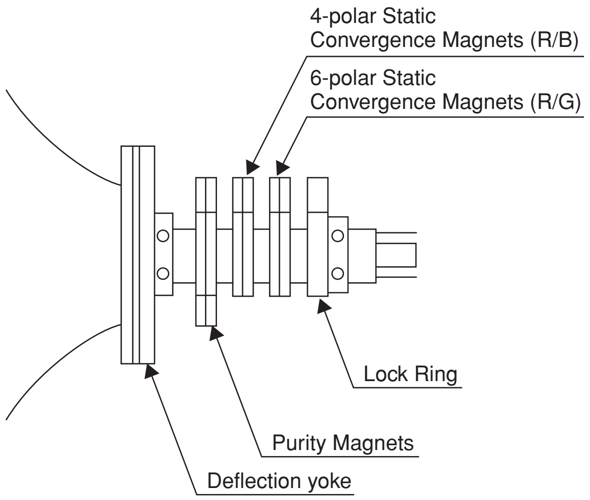
When the specified performance can no longer be obtained with the adjusters on the front panel or when parts have been replaced due to a malfunction, perform adjustment of the following parts.

When adjusting a board inserted into the slot section, use the EXTENDER BOARD (option).

A. MAIN CHASSIS

(1) PURITY adjustment

The purity is adjusted to optimum at shipment.
Normally, no adjustments are required.
However perform adjustments if necessary.

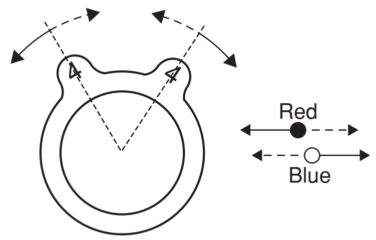


1. Select the flat field using the TEST switch.
2. Demagnetize the shadow mask using the DEGAUSS switch.
3. Set the screen to the green-only raster using the SCREENS switch.
4. Adjust the two purity magnets alternately, so that there are green vertical lines at the center of the screen.
5. While watching the screen, slide the deflection yoke forward so that the screen is an even green color.
6. Repeat for red-only and blue-only.
7. Adjust the purity to optimum using ROTATION.

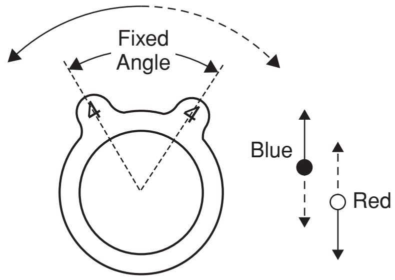
(2) CONVERGENCE adjustment

Before performing convergence adjustment, allow the monitor to warm up for at least 30 minutes. Select the cross hatch using the TEST switch.

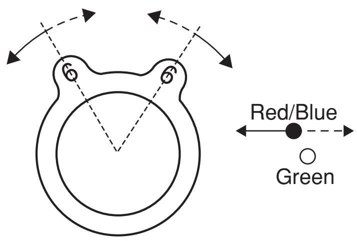
1. Loosen the lock ring.
2. Set to the red and blue screens using the SCREENS switch.
3. Observe the crossed part at the center of the screen. Adjust the angle of the two 4-polar magnets as shown in the figure below to adjust deviation of the red and blue vertical lines.



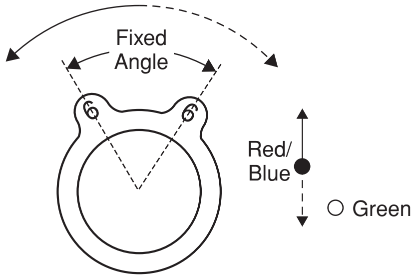
4. While keeping the angle at step 3, rotate the two magnets together and adjust the deviation of the horizontal lines.



5. Set all SCREEN switches to OFF to set the while screen.
6. Adjust the angle of the two 6-polar magnets to adjust the deviation of the red and blue vertical lines, and green vertical lines.



7. While keeping the angle at step 6, rotate the two magnets together and adjust the deviation of the horizontal lines.



8. Tighten the lock ring after completing of the center convergence.

(3) CRT replacement

The original replaceable CRT has a fixed deflection yoke.
This is no need to readjust the purity and convergence.

1. Remove the four screws fixing the top cover, and remove the cover.
2. Remove the eight screws fixing the right cover and left cover, and remove these covers.
3. Remove the anode cap of the CRT.
4. Remove the CRT SOCKET BOARD from the CRT.
5. Remove the deflection yoke connector (CN901) on the DEF BOARD.
6. Pull out the front panel on the front right side, disconnect the connector and take it out.
7. Disconnect the connector between FRONT LEFT PANEL and DEF BOARD.
8. Remove the four screws fixing the escutcheon, and remove the CRT together with the escutcheon. Make sure that the neck of the CRT does not touch the main unit at this time.
9. Place a soft cloth below the escutcheon to prevent it from scratches. Place the CRT on a stable surface with the escutcheon down.
10. Assemble in the reverse procedure of the above from step 9 backwards to step 1.

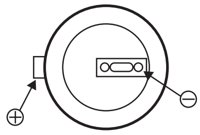
Re-adjustment after replacing the CRT

1. Adjusting the center of the screen
   Refer to 4.10 (7) of the operation manual.
2. Adjusting the size of the screen
   Refer to 4.10 (9) of the operation manual.
3. Adjusting the focus
   Refer to 4.10 (5) of the operation manual.
4. Adjusting the white balance
   Refer to 4.10 (3) of the operation manual.
5. Adjusting the trapezoid distortion and side pin
   Refer to 4.10 (8) of the operation manual.

(4) BATTERY replacement

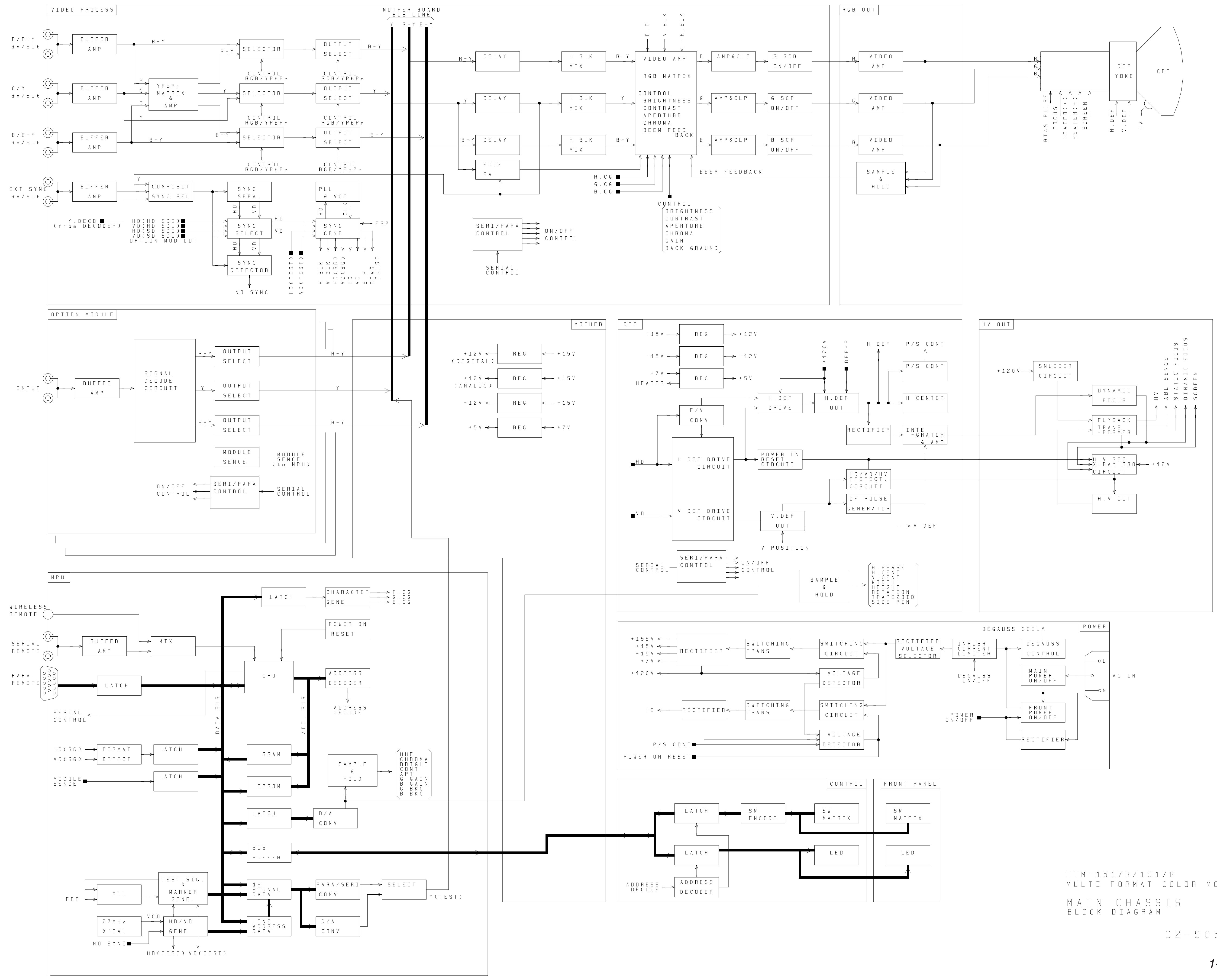
Before replacing the battery, note down the preset data.

1. Set the POWER switch to ON, wait for some time, and set it to OFF. (This charges the backup capacitor.)
2. Remove the MPU BOARD from the leftmost slot on the rear, and replace the battery.
   This setting is held it exchange is able to complete within least four minutes after it turns OFF the POWER switch.
3. Insert the MPU BOARD back into its slot.
   Set the POWER switch to ON, and check that the screen is normal.



⚠ CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer’s instructions.

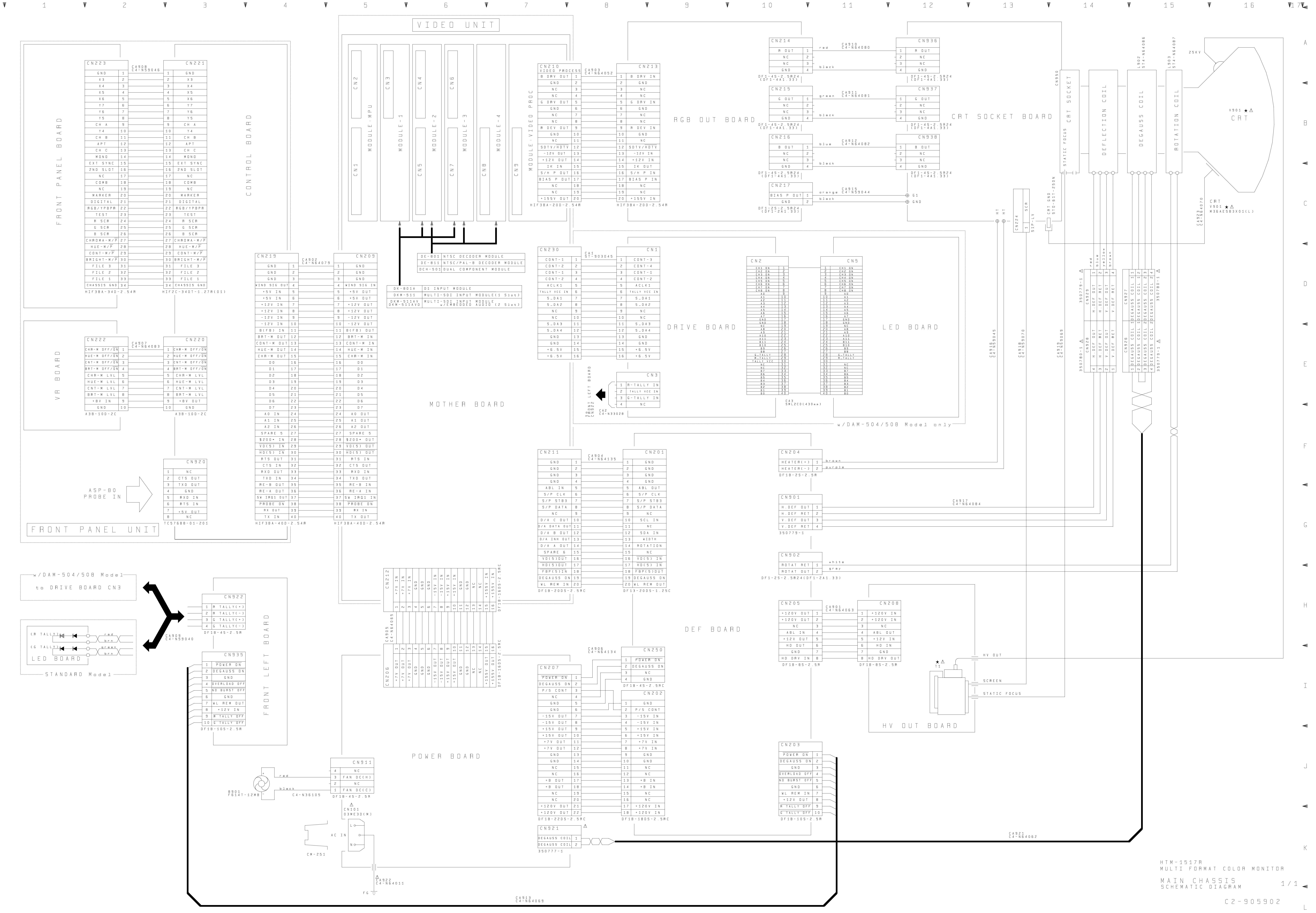


HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

MAIN CHASSIS
BLOCK DIAGRAM

1/1

C2-905709


VIDEO UNIT
MODULE-MPU
MODULE-1
MODULE-2
MODULE-3
MODULE-4
MODULE VIDEO PROC
FRONT PANEL BOARD
CONTROL BOARD
VR BOARD
FRONT PANEL UNIT
ASP-80 PROBE IN
MOTHER BOARD
RGB OUT BOARD
CRT SOCKET BOARD
CRT SOCKET
DEFLECTION COIL
DEGAUSS COIL
ROTATION COIL
CRT
DRIVE BOARD
LED BOARD
w/DAM-504/508 Model only
DE-B01 NTSC DECODER MODULE
DE-B11 NTSC/PAL-B DECODER MODULE
DCH-501 DUAL COMPONENT MODULE
DK-B01A D1 INPUT MODULE
DKM-511 MULTI-SDI INPUT MODULE(1 Slot)
DKM-511AVD MULTI-SDI INPUT MODULE w/EMBEDDED AUDIO (2 Slot)
DEF BOARD
HV OUT BOARD
HV OUT
SCREEN
STATIC FOCUS
POWER BOARD
FRONT LEFT BOARD
w/DAM-504/508 Model
to DRIVE BOARD CN3
LED BOARD
STANDARD Model
AC IN
HTM-1517R
MULTI FORMAT COLOR MONITOR
MAIN CHASSIS
SCHEMATIC DIAGRAM
1/1
C2-905902

B. VIDEO SYSTEM

<Substrate>

- MOTHER BOARD
- MPU BOARD
- VIDEO PROCESS BOARD
- RGB OUT BOARD
- CRT SOCKET BOARD

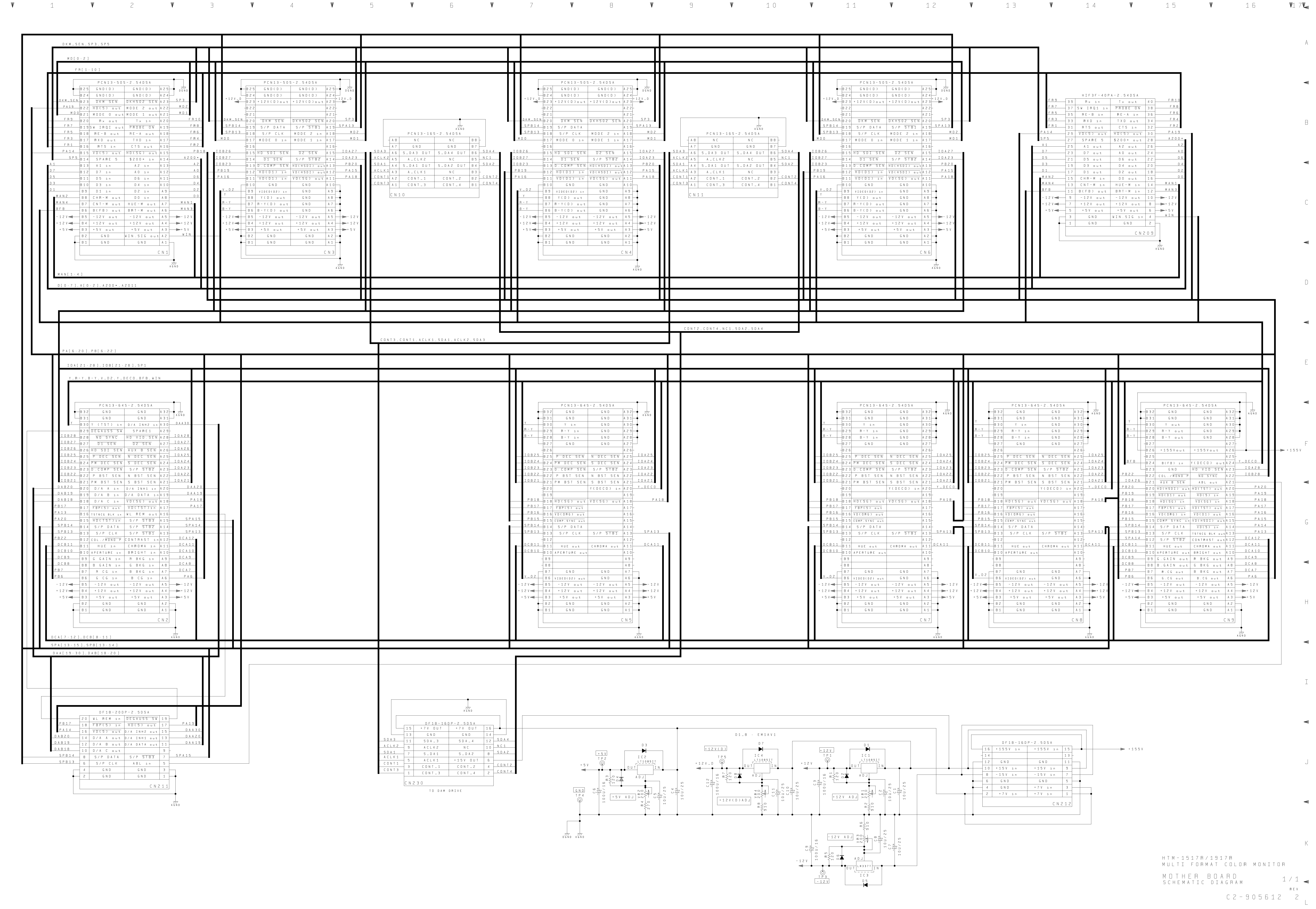
MOTHER BOARD

(1) Ciricuit Structure

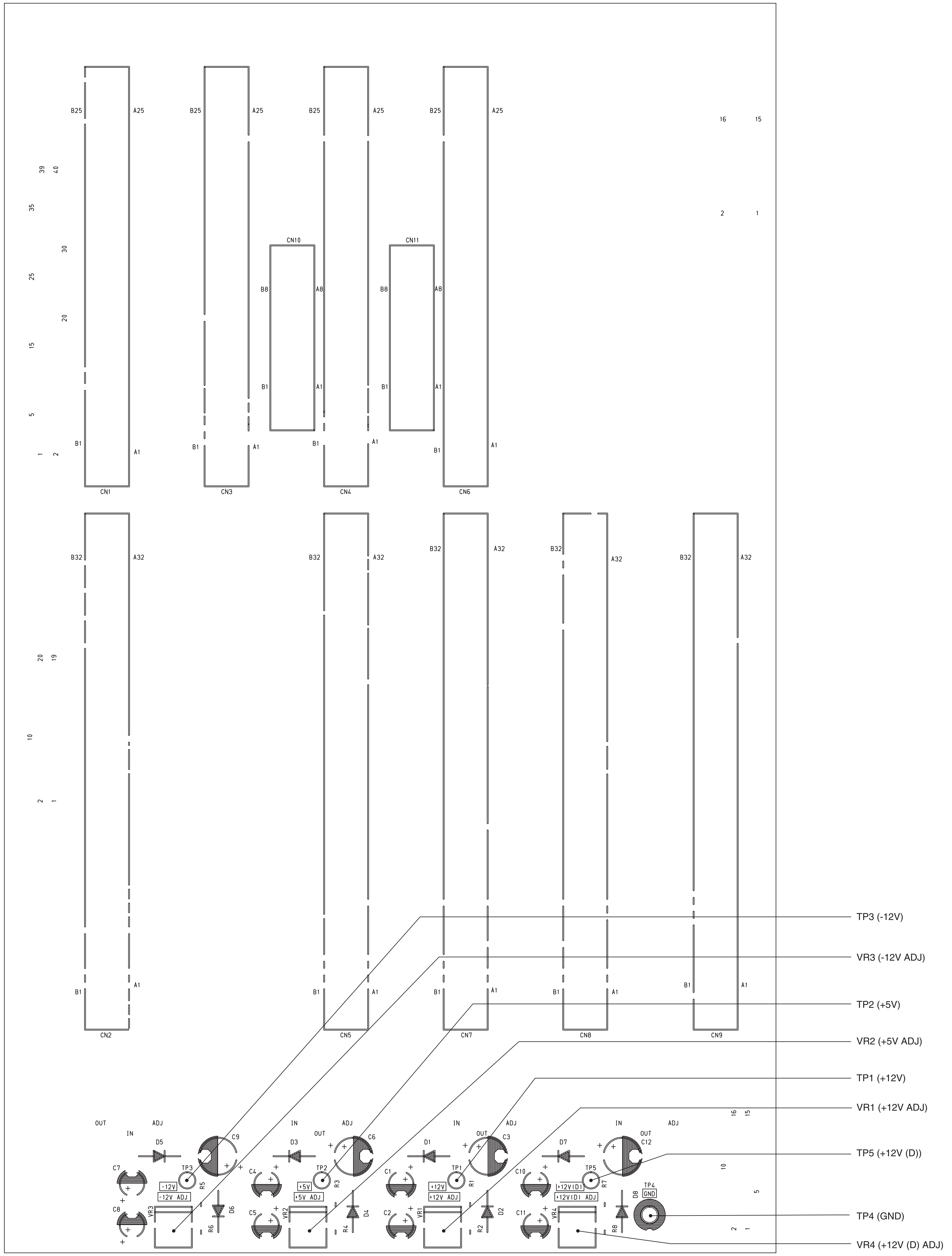
(a) +12V Power Supply (for analog/digital)
(b) -12V Power Supply
(c) +5V Power Supply

(2) Adjustment Method

(a) VR1 [+12V ADJ]
Adjust to +12V ±0.01V for TP1
(b) VR2 [+5V ADJ]
Adjust to +5V ±0.01V for TP2
(c) VR3 [-12V ADJ]
Adjust to -12V ±0.01V for TP3
(d) VR4 [+12V(D) ADJ]
Adjust to +12V ±0.01V for TP4

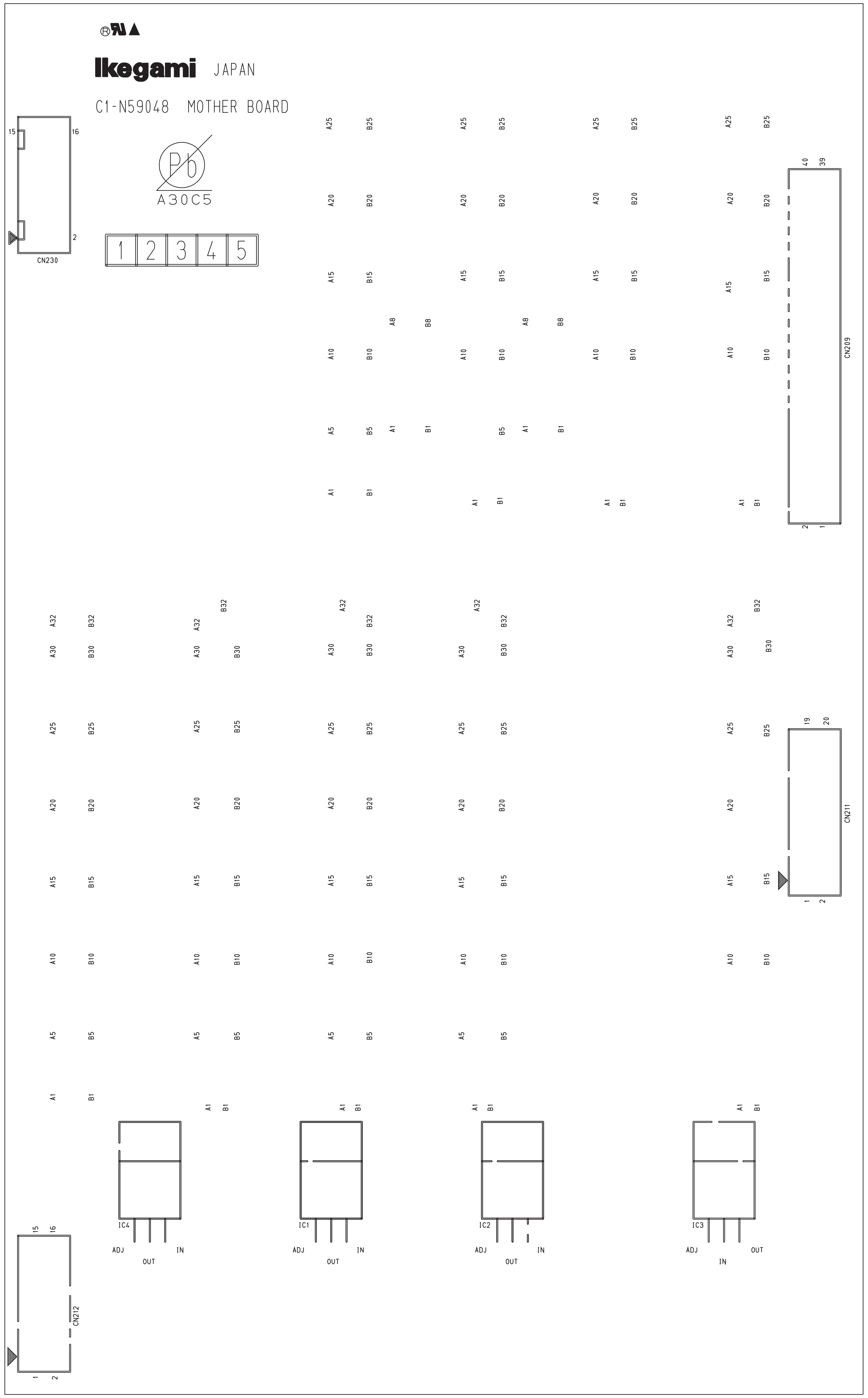

CN1
CN2
CN3
CN4
CN5
CN6
CN7
CN8
CN9
CN10
CN11
CN209
CN211
CN212
CN230
TO DAM DRIVE
HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR
MOTHER BOARD
SCHEMATIC DIAGRAM
1/1
REV
C2-905612 2

A SIDE



MOTHER BOARD
Parts Location
C1-N59048

B SIDE



MOTHER BOARD
Parts Location
C1-N59048

MPU BOARD

(1) Circuit Structure

(a) MPU Circuit
(b) I/O Circuit
(c) RAM back up Circuit
(d) OSD character generator, Marker display color setting Circuit
(e) D/A, S/H Circuit
(f) TEST signal, MARKER signal generator Circuit

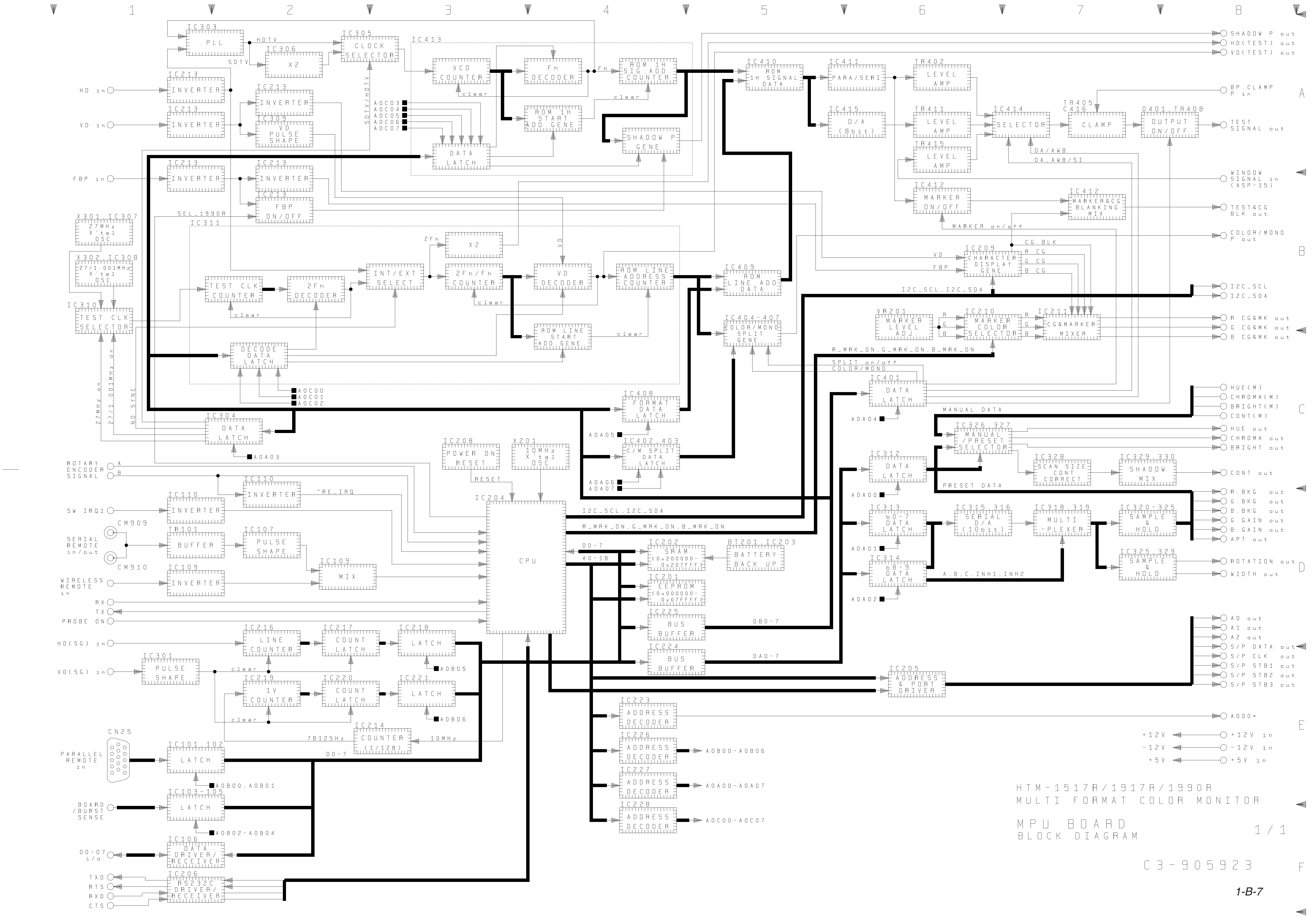
(2) Adjustment Method

(a) S201 [DIP Switch]
S202 [Rotary Switch]
1. S202 is used for setting monitor varieties.
   1990 : HTM-1990R
   1917/1517 : HTM1517R/HTM-1917R
   CS : HTM-1517CS
2. S201 is used to set modes to which monitor responds.
   PH-C : Set default value of quasi-SMTE-C phosphor function
   SMPTE = ON, P22(EBU) = OFF
   9300K : Not used (set to OFF)
   TM20-80 : Not used (set to OFF)
   1080i/50 : 1080i/50 format response = ON
   1080i/48 : 1080i/48(1080psF/24) format response = ON
   480p : 480p format response = ON
   720p/50 : 720p/50 format response = ON

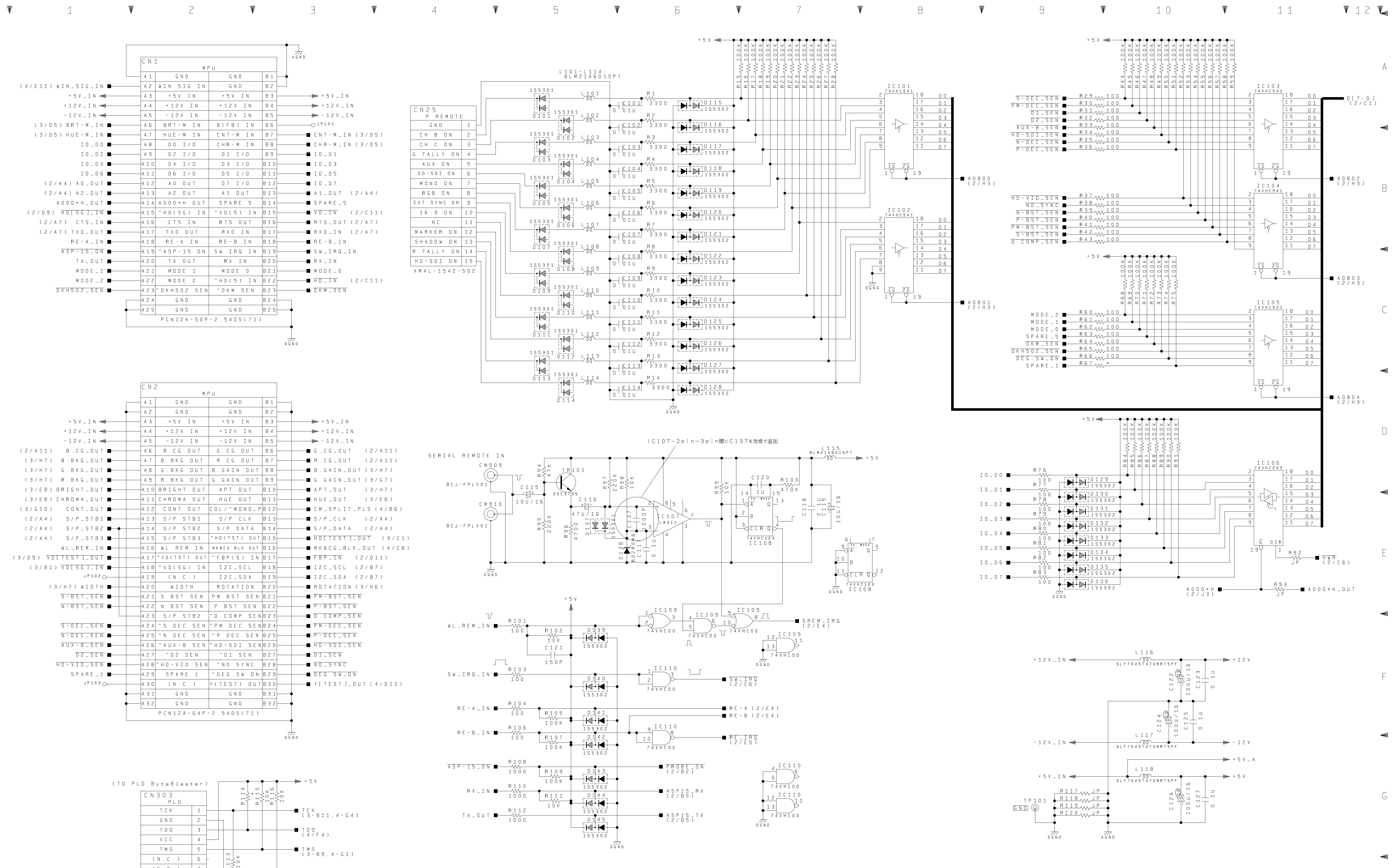
(b) VR201 [MK LVL]
VR401 [TEST-S LVL]
VR402 [DA LVL]
1. The VR201 is used to adjust the contrast level of the marker. It is usually set in the center.
2. Turn the marker OFF and display the crosshatch of the internal TEST signal.
   Adjust the VR401 so that the signal level at TP403 is 1.0±0.01Vp-p.
3. Switch the internal TEST signal to WINDOW.
   Adjust the VR402 so that the signal level at TP403 is 1.28±0.01Vp-p.

(c) VR301 [4:3 U-CONT]
VR302 [16:9 N-CONT]
VR303 [16:9 U-CONT]
1. Input the WINDOW(100%) signal from TEST Generator.
   Adjust the CONTRAST level so that the value is 120cd/m^2 during 4:3 NORMAL SCAN Display.
   Adjust VR301 so that the value is 120cd/m^2 during 4:2 UNDER SCAN Display.
   Adjust VR302 so that the value is 120cd/m^2 during 16:9 NORMAL SCAN Display.
   Adjust VR303 so that the value is 120cd/m^2 during 16:9 UNDER SCAN Display.

(d) VR403 [WIND LV]
Adjustment not necessary.



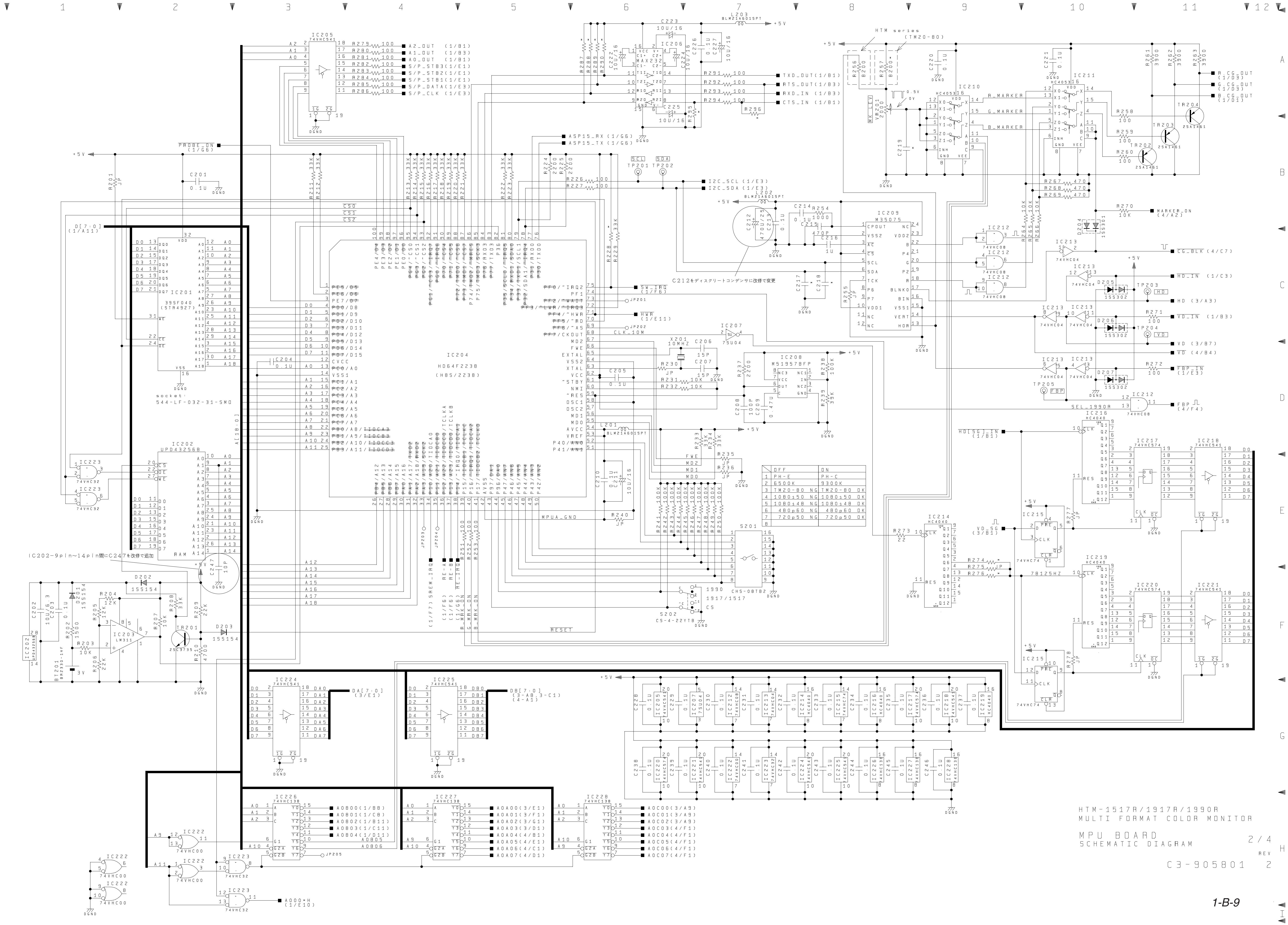
IC303 PLL
IC305 CLOCK SELECTOR
IC306 X2
IC413
VCO COUNTER
Fh DECODER
ROM 1H SIG.ADD. COUNTER
ROM 1H START ADD.GENE
DATA LATCH
SHADOW P GENE.
IC410 ROM 1H SIGNAL DATA
IC411 PARA/SERI
IC415 D/A (8bit)
TR402 LEVEL AMP
TR411 LEVEL AMP
TR415 LEVEL AMP
IC414 SELECTOR
TR405 C416 CLAMP
D401,TR408 OUTPUT ON/OFF
IC412 MARKER ON/OFF
IC412 MARKER&CG BLANKING MIX
IC209 CHARACTER DISPLAY GENE
VR201 MARKER LEVEL ADJ.
IC210 MARKER COLOR SELECTOR
IC211 CG&MARKER MIXER
IC213 INVERTER
IC309 VD PULSE SHAPE
IC213 FBP ON/OFF
X301,IC307 27MHz X'tal OSC
X302,IC308 27/1.001MHz X'tal OSC
IC310 TEST CLK SELECTOR
IC311
TEST CLK COUNTER
2Fh DECODER
INT/EXT SELECT
X2
2Fh/Fh COUNTER
VD DECODER
ROM LINE ADDRESS COUNTER
ROM LINE START ADD.GENE
DECODE DATA LATCH
IC409 ROM LINE ADD DATA
IC404-407 COLOR/MONO SPLIT GENE
IC304 DATA LATCH
IC408 FORMAT DATA LATCH
IC402,403 C/M SPLIT DATA LATCH
IC401 DATA LATCH
IC326,327 MANUAL /PRESET SELECTOR
IC312 DATA LATCH
IC328 SCAN SIZE CONT CORRECT
IC329,330 SHADOW MIX
IC313 b0-7 DATA LATCH
IC314 b8-9 DATA LATCH
IC315,316 SERIAL D/A (10bit)
IC318,319 MULTI-PLEXER
IC320-325 SAMPLE & HOLD
IC325,329 SAMPLE & HOLD
IC208 POWER ON RESET
X201 10MHz X'tal OSC
IC204 CPU
IC202 SRAM (0x200000-0x207FFF)
BT201,IC203 BATTERY BACK UP
IC201 EEPROM (0x000000-0x07FFFF)
IC225 BUS BUFFER
IC224 BUS BUFFER
IC205 ADDRESS & PORT DRIVER
IC223 ADDRESS DECODER
IC226 ADDRESS DECODER
IC227 ADDRESS DECODER
IC228 ADDRESS DECODER
IC110 INVERTER
TR101 BUFFER
IC107 PULSE SHAPE
IC109 INVERTER
IC109 MIX
IC216 LINE COUNTER
IC217 COUNT LATCH
IC218 LATCH
IC301 PULSE SHAPE
IC219 1V COUNTER
IC220 COUNT LATCH
IC221 LATCH
IC214 COUNTER (1/128)
CN25
IC101,102 LATCH
IC103-105 LATCH
IC106 DATA DRIVER/RECEIVER
IC206 RS232C DRIVER/RECEIVER
HD in
VD in
FBP in
ROTARY ENCODER SIGNAL
SW IRQ1
CM909
SERIAL REMOTE in/out
CM910
WIRELESS REMOTE in
RX
TX
PROBE ON
HD(SG) in
VD(SG) in
PARALLEL REMOTE in
BOARD /BURST SENSE
D0-D7 i/o
TXD
RTS
RXD
CTS
SHADOW P out
HD(TEST) out
VD(TEST) out
BP.CLAMP P in
TEST SIGNAL out
WINDOW SIGNAL in (ASP-15)
TEST&CG BLK out
COLOR/MONO P out
I2C_SCL
I2C_SDA
R CG&MK out
G CG&MK out
B CG&MK out
HUE(M)
CHROMA(M)
BRIGHT(M)
CONT(M)
HUE out
CHROMA out
BRIGHT out
CONT out
R.BKG out
G.BKG out
B.BKG out
G.GAIN out
B.GAIN out
APT out
ROTATION out
WIDTH out
A0 out
A1 out
A2 out
S/P DATA out
S/P CLK out
S/P STB1 out
S/P STB2 out
S/P STB3 out
A000-
+12V in
-12V in
+5V in
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR
MPU BOARD
BLOCK DIAGRAM
1/1
C3-905923



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
SCHEMATIC DIAGRAM 1/4

REV
C3-905801 2

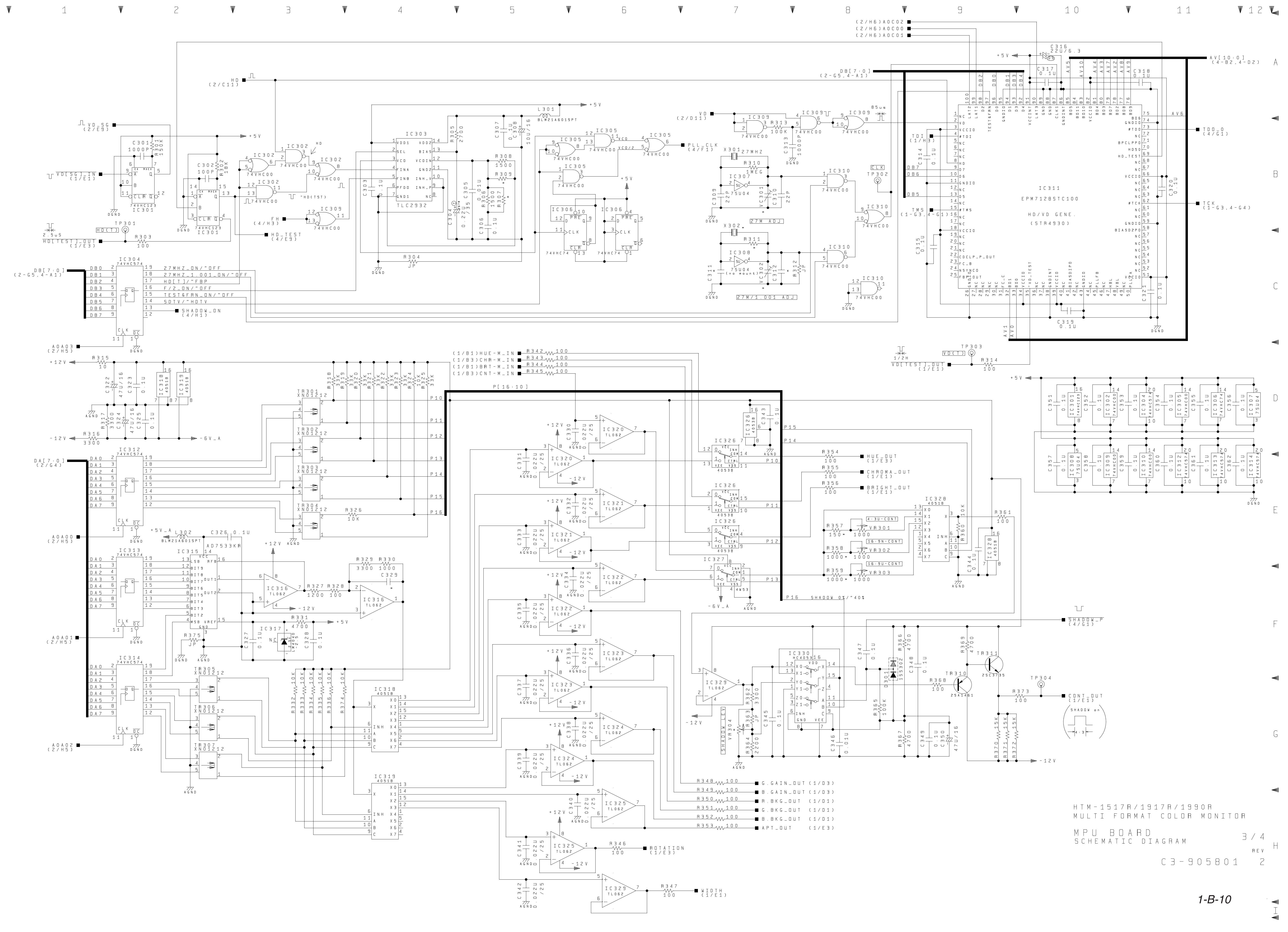


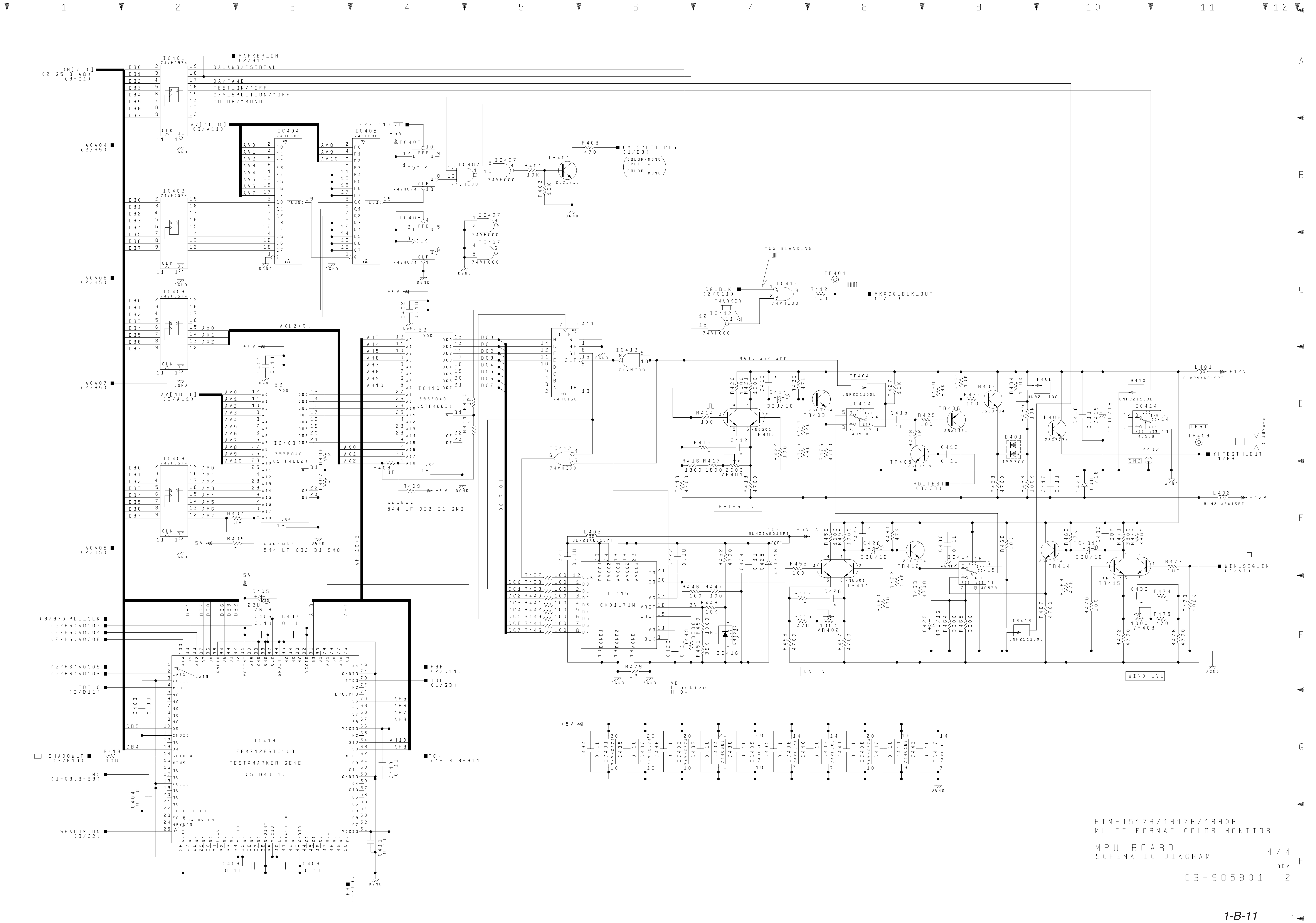
	OFF	ON
1	PH-E	PH-C
2	6500K	9300K
3	TM20-80 NG	TM20-80 OK
4	1080i50 NG	1080i50 OK
5	1080i48 NG	1080i48 OK
6	480p60 NG	480p60 OK
7	720p50 NG	720p50 OK
8		

HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
SCHEMATIC DIAGRAM 2/4

REV
C3-905801 2


HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR
MPU BOARD
SCHEMATIC DIAGRAM
3/4
REV
C3-905801 2



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

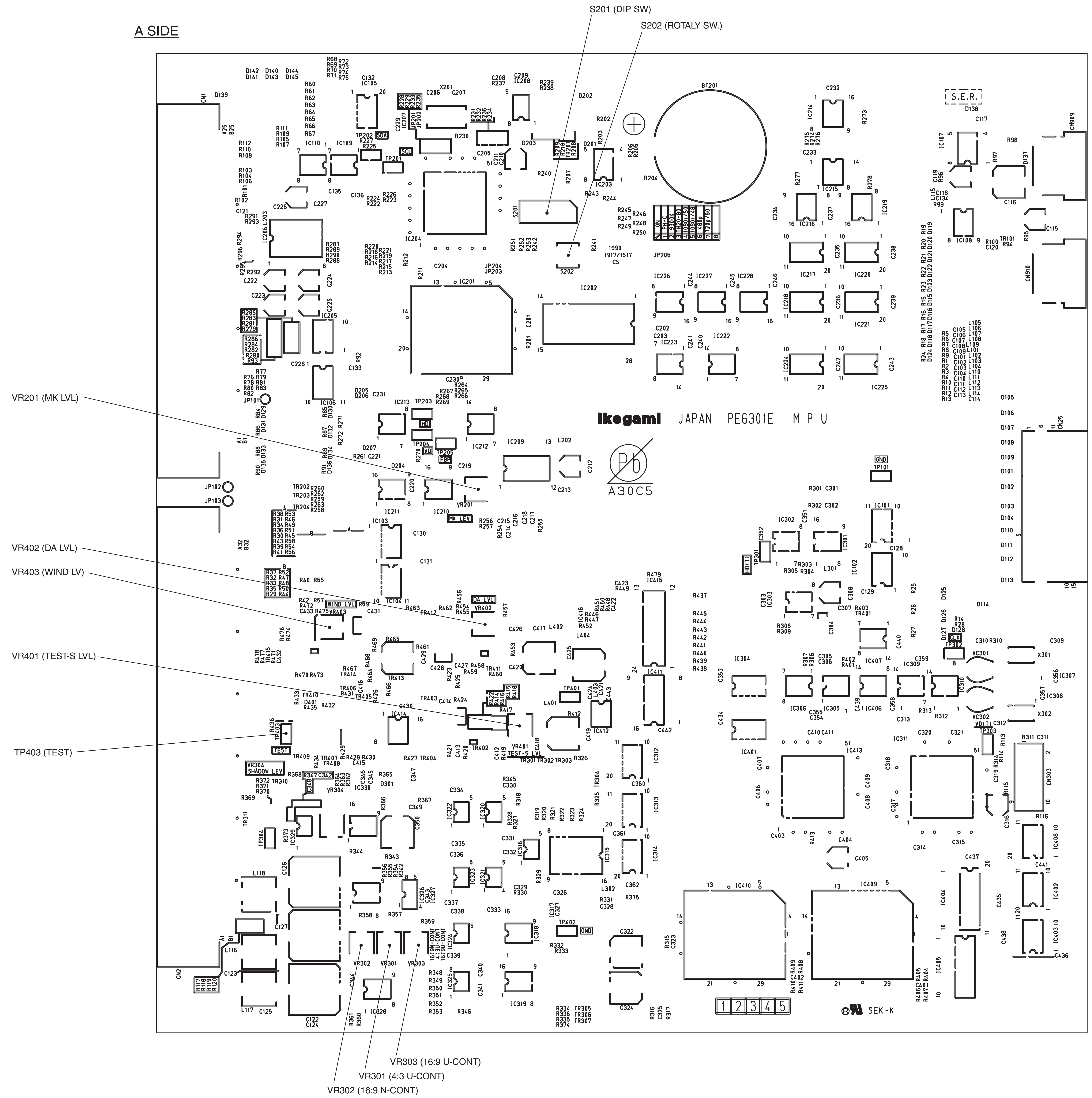
MPU BOARD
SCHEMATIC DIAGRAM

4/4

REV

C3-905801 2

A SIDE



MPU BOARD
Parts Location
PE6301E

VIDEO PROCESS BOARD

(1) Circuit Structure

<VIDEO System>

(a) YPbPr/RGB Analog Component Input
(b) RGB → YPbPr Matrix
(c) YPbPr BUS I/F
(d) Video Processing
(e) Aperture
(f) ABL Control

<SYNC System>

(a) External Sync Input
(b) Sync Separator
(c) PLL-VCO
(d) Sync Processing
(e) G1 Drive

<CONTROL System>

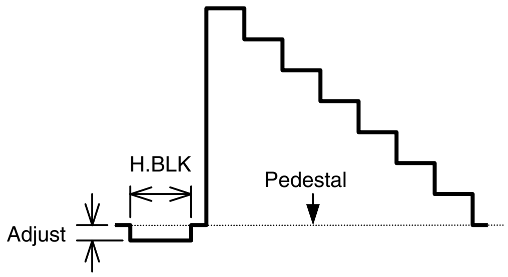
(a) Serial → Parallel Control

(2) Adjustment Method

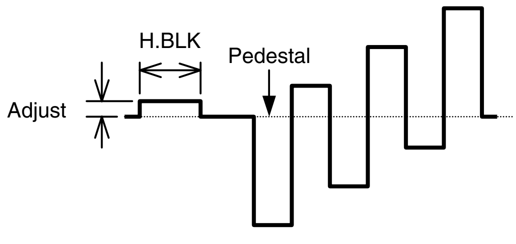
* Unless otherwise indicated, Input signal is HDTV and connected to YPbPr analog component. For HDTV, there is 100% color bar (SMPTE274M), and for SDTV there is SMPTE color bar.
* The figures are images and differ from the actual signals.

<VIDEO System (YPbPr signal adjustment)>

(a) VR201 [DC SET R-Y]
VR401 [DC SET Y]
VR601 [DC SET B-Y]
At the test points TP106 (R-Y)/TP306 (Y)/TP506 (B-Y), the pedestals of the signals and the potential of the H.BLK are the same.

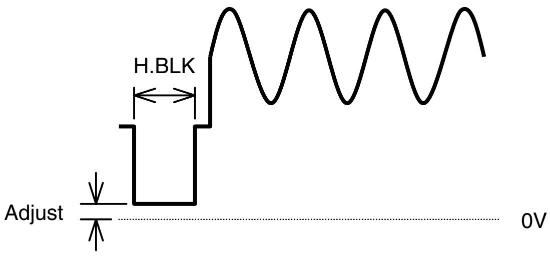


Y signal

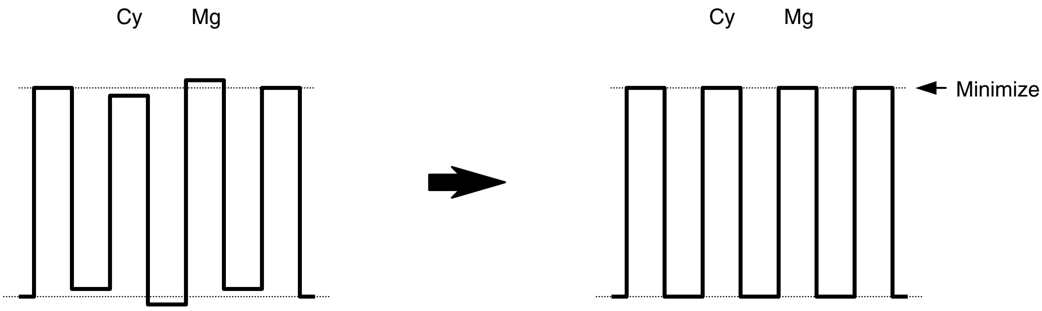


R-Y/B-Y signal

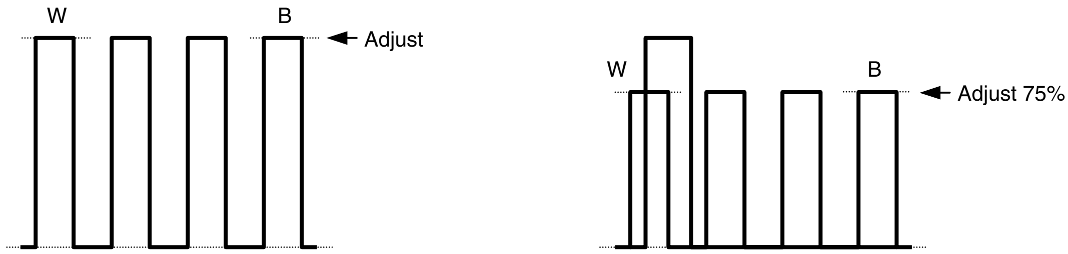
(b) VR104 [R DC SET]
VR304 [G DC SET]
VR504 [B DC SET]
For the test points TP110 (R)/TP310 (G)/TP510 (B), H.BLK of the signals is adjusted to 0V.



(c) VR702 [COLOR BAL]
For TP510 (B), Adjust the level difference between the Cyan (Cy) and Magenta (Mg) level and other levels to minimum for the blue signal of the HDTV color bar. It is effective to carry this alternately with VR705 [HDTV CHR] (VR706 [SDTV CHR]).



(d) VR705 [HDTV CHR]
VR706 [SDTV CHR]
For TP510(B), Adjust the Blue (B) level to the same level as White (W) level at the chroma preset data is 50%, matching them separately for HDTV and SDTV. It is effective to carry this alternately with VR702 [COLOR BAL].



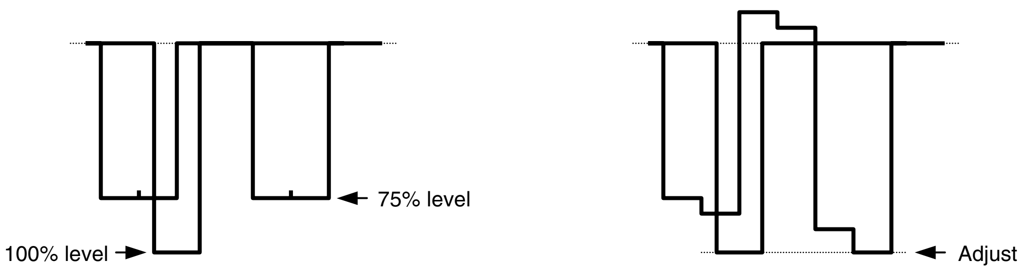
HDTV (100% COLOR BAR) SDTV (SMPTE COLOR BAR)

(e) VR103 [SD R-Y]
VR104 [HD R-Y]
For TP110(R), If there is a difference in the color balance of the Red signal even with adjustment of VR705/VR706 or VR702, adjust separately with SDTV and SDTV.

VR503 [SD B-Y]
VR504 [HD B-Y]
For TP510 (B), If there is a difference in the color balance of the Blue signal even with adjustment of VR705/VR706 or VR702, adjust separately with SDTV and HDTV.

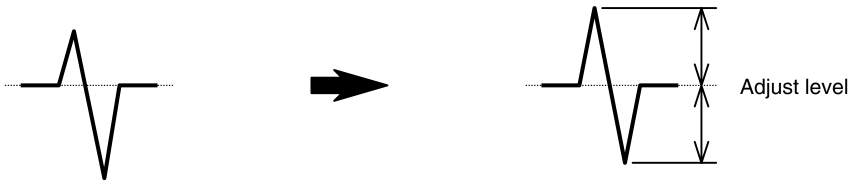
(f) VR703 [R GAIN]
For TP1 (Rch) of the CRT SOCKET BOARD, Set the video level for maximum contrast control of the 16:9 screen to 50 Vp-p.

(g) VR102 [MTX R BAL]
For TP1 (Rch) of the CRT SOCKET BOARD, Adjust the 75% level the same as the 100% level when the SMPTE color bar signal is input and the MATRIX Switch on the front panel is turned ON.



MATRIX OFF MATRIX ON

(h) VR701 [EDGE BAL]
For TP701, Adjust the upper/lower level of the edge signal.



<VIDEO system (adjustment of RGB component input)>

* Set YPbPr/RGB input format of MENU-1 to RGB.

(a) VR106 [R-Y OFF SET]
VR506 [B-Y OFF SET]
For the test points TP106 (R-Y)/TP506 (B-Y), Adjust signal leakage to minimum value when the monochrome signal is input respectively to R,G,B.

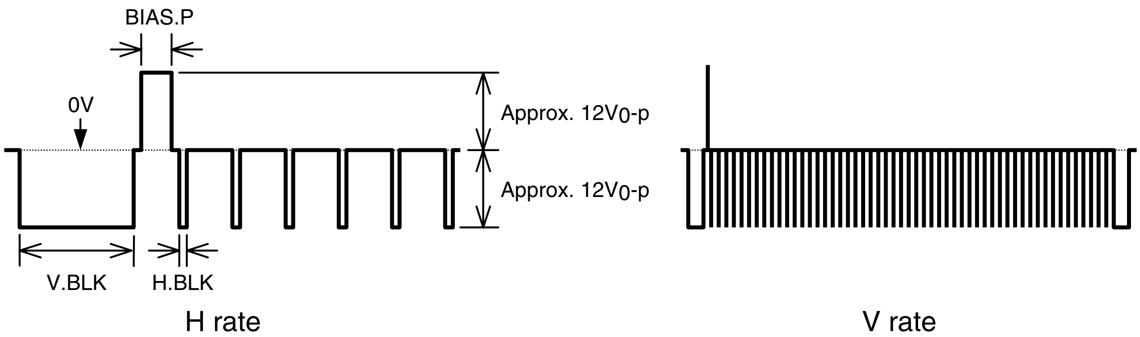


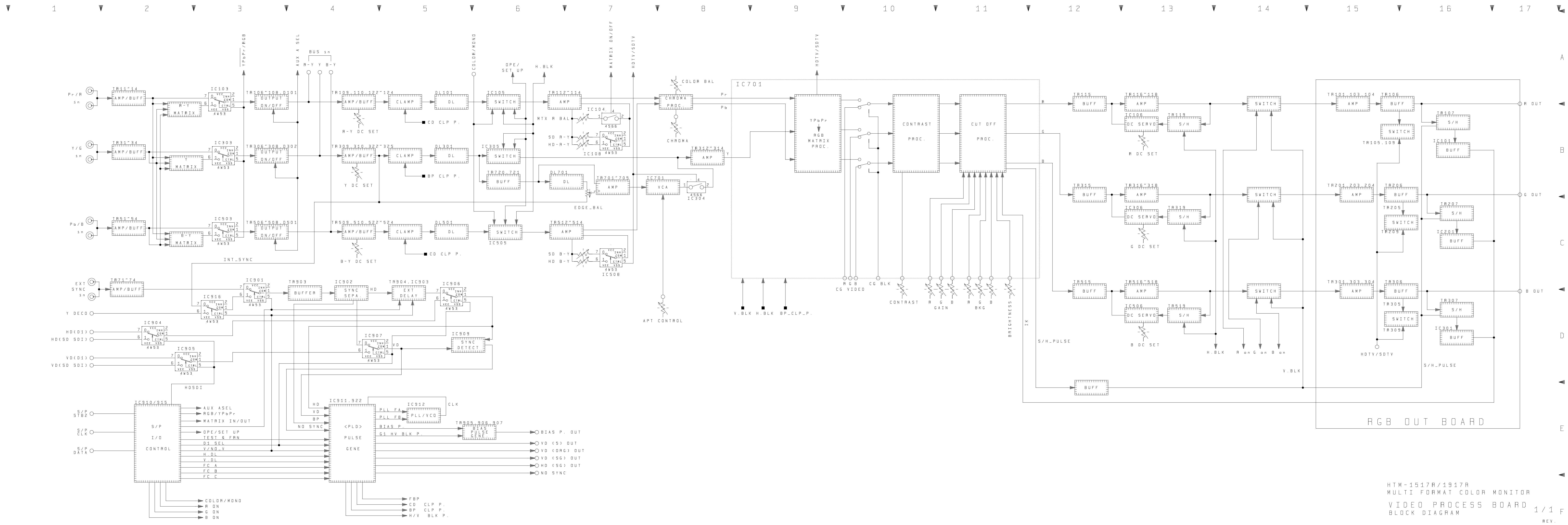
(b) VR101 [R-Y LEVEL]
VR301 [Y LEVEL]
VR501 [B-Y LEVEL]
For the test points TP101(PR)/TP301(Y)/TP501(PB), Adjust the levels of Y, Pb, Pr to 1.3Vp-p.

<SYNC System>

(a) TP903 [CLK1]
TP915 [CLK2]
The clock frequency should be in the vicinity of 13.5 MHz for the various formats.

(b) TP907 [G1]
The following signal should be output.





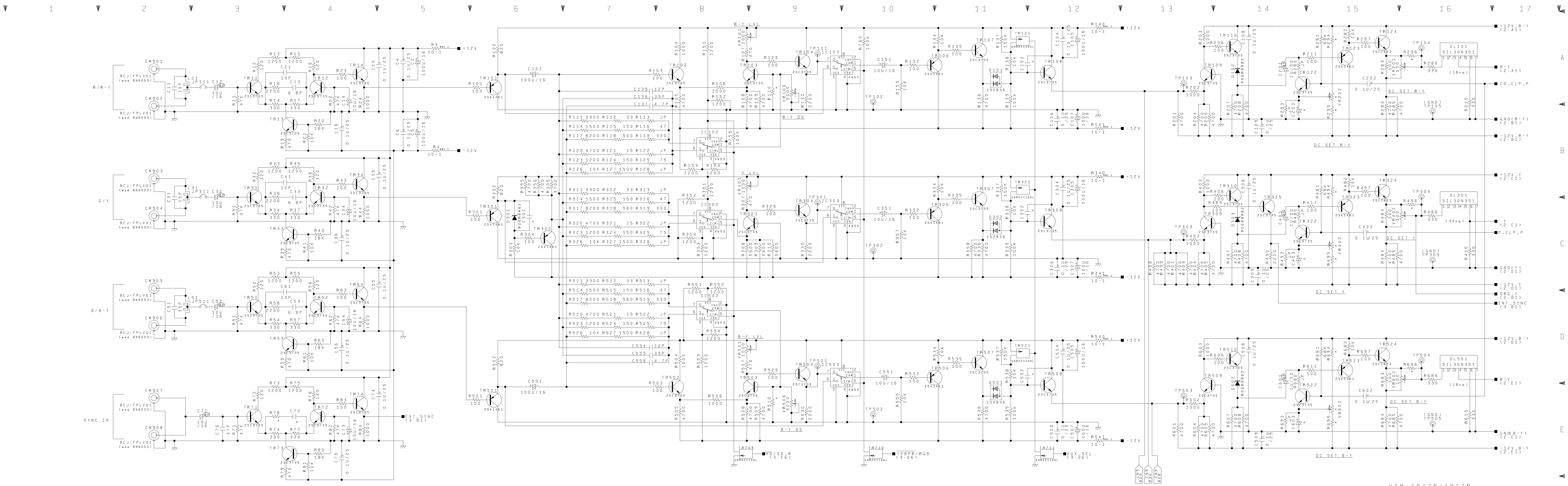
HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD
BLOCK DIAGRAM

1/1

REV.

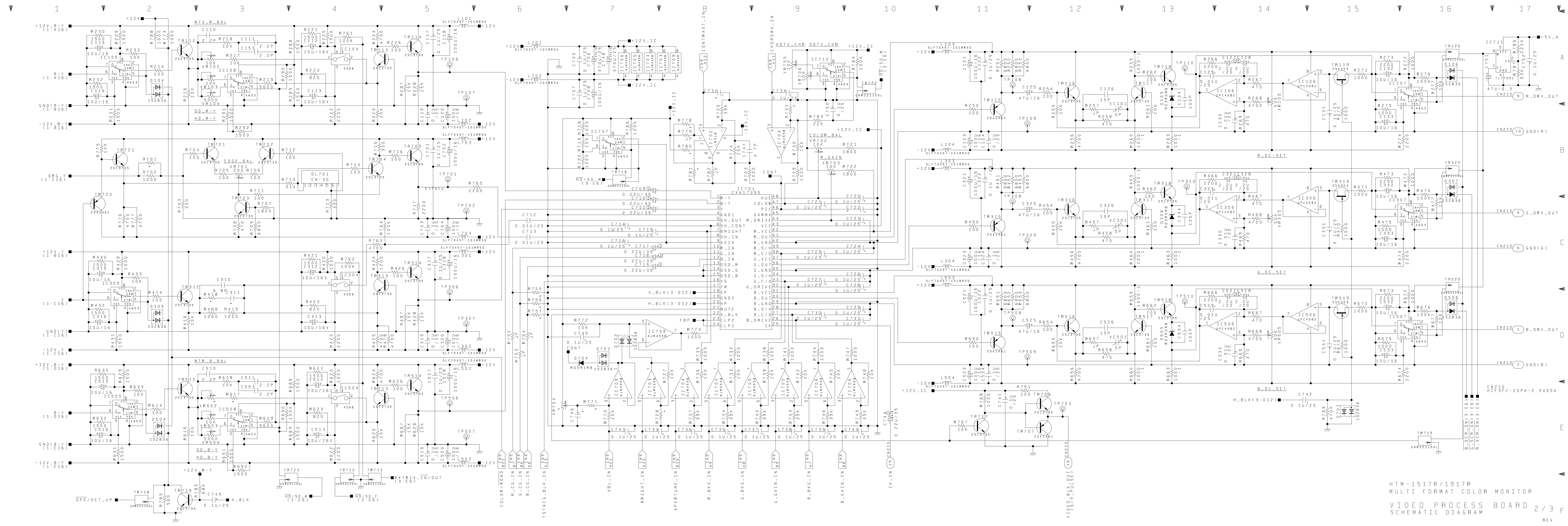
C11-905708 1



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 1/3
SCHEMATIC DIAGRAM

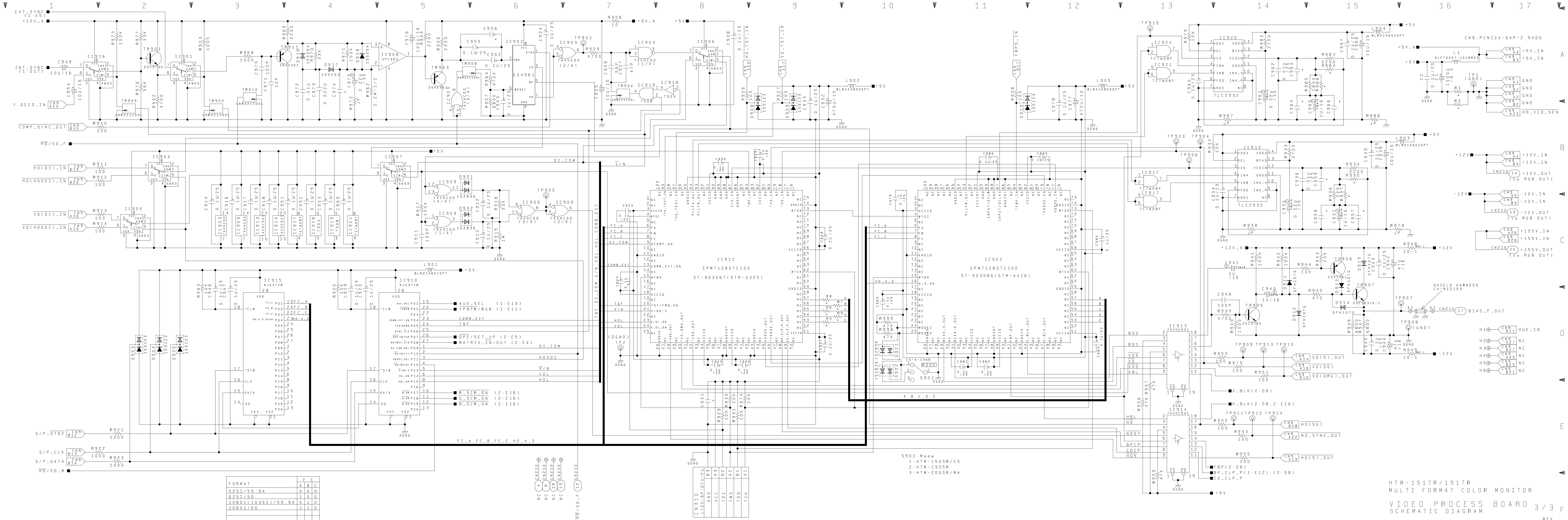
REV
C11-905613 5



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 2/3
SCHEMATIC DIAGRAM

REV.
C11-905613 5



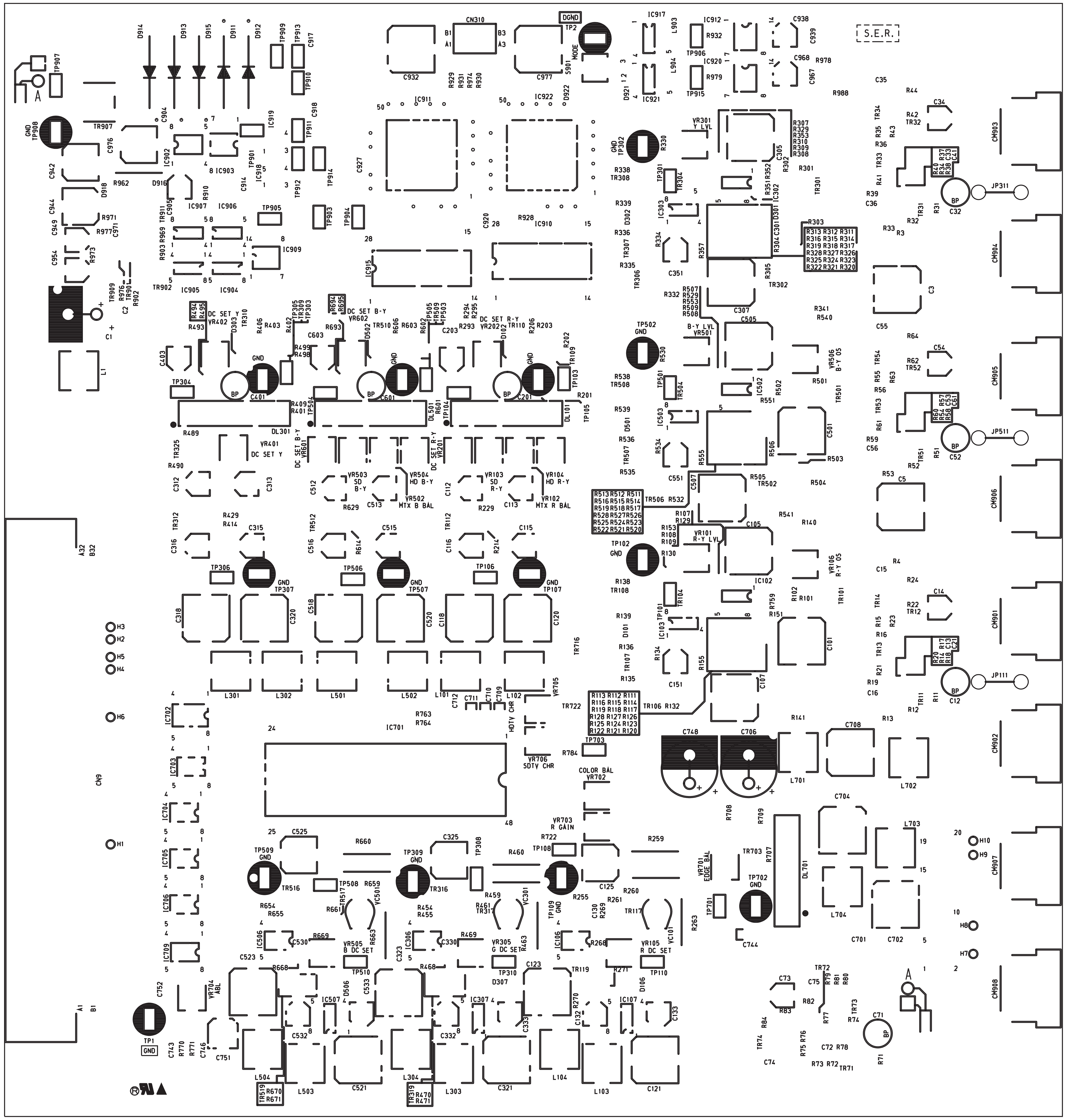
FORMAT	F.C A	F.C B	F.C C
525I/59.94	0	0	0
625I/50	1	0	0
1080I(1035I)/59.94	0	1	0
1080I/50	1	1	0

HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 3/3
SCHEMATIC DIAGRAM

REV.
C11-905613 5

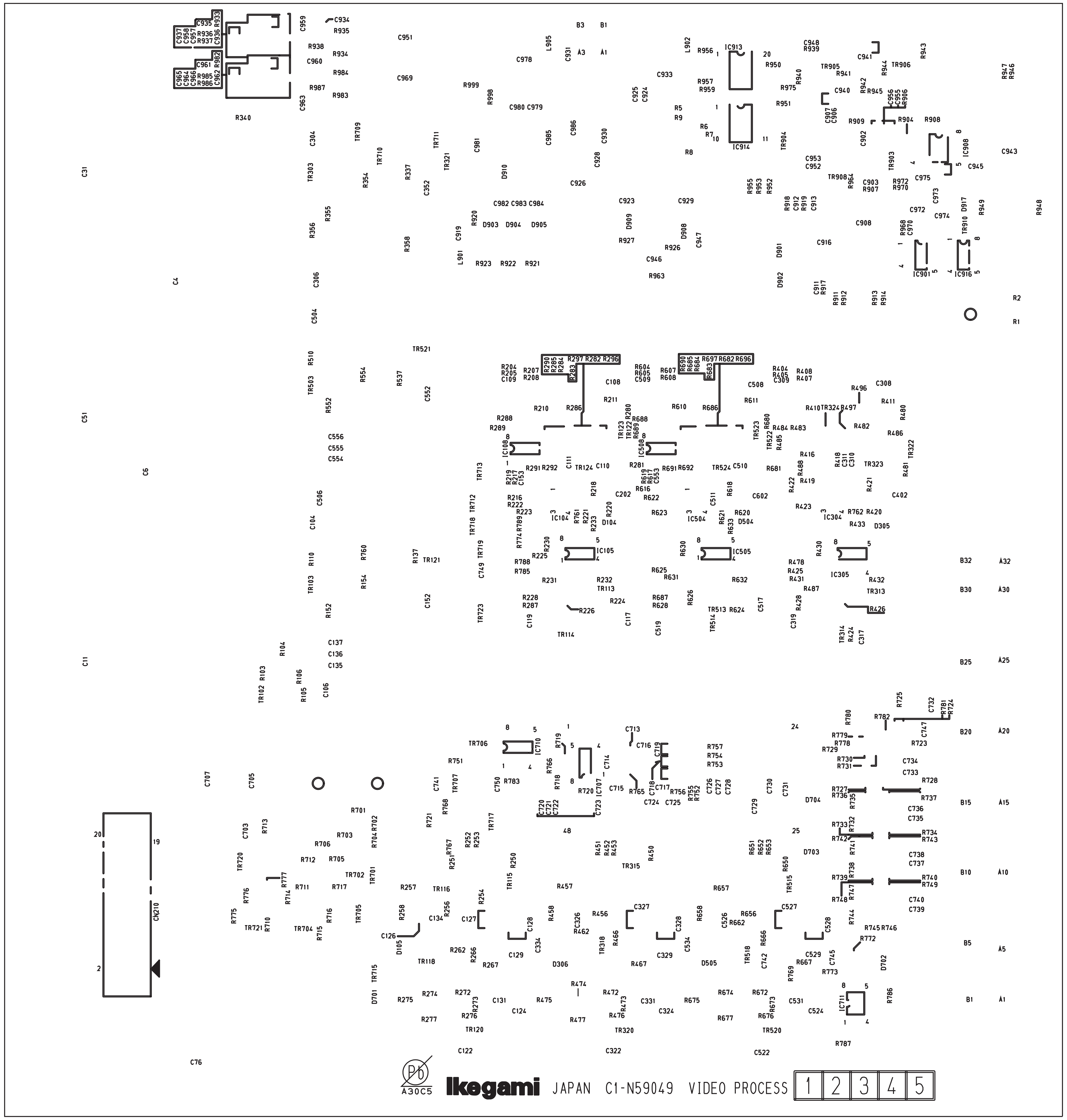
A SIDE



INDEX	DESCRIPTION	INDEX	DESCRIPTION
6-E	TP101 (PR)	7-E	VR106 [R-Y OFF SET]
5-E	TP106 (R-Y)	5-D	VR201 [DC SET R-Y]
6-G	TP110 (R)	6-B	VR301 [Y LEVEL]
6-B	TP301 (Y)	5-G	VR305 [G DC SET]
4-E	TP306 (Y)	4-D	VR401 [DC SET Y]
5-G	TP310 (G)	6-C	VR501 [B-Y LEVEL]
6-D	TP501 (PB)	4-D	VR503 [SD B-Y]
4-E	TP506 (B-Y)	5-D	VR504 [HD B-Y]
4-G	TP510 (B)	4-G	VR505 [B DC SET]
4-C	TP903 [CLK1]	7-C	VR506 [B-Y OFF SET]
3-B	TP907 [G1]	4-D	VR601 [DC SET B-Y]
6-B	TP915 [CLK2]	7-F	VR701 [EDGE BAL]
6-E	VR101 [R-Y LEVEL]	6-F	VR702 [COLOR BAL]
5-D	VR102 [MTX R BAL]	6-F	VR703 [R GAIN]
5-D	VR103 [SD R-Y]	5-F	VR705 [HDTV CHR]
6-D	VR104 [HD R-Y]	5-F	VR706 [SDTV CHR]
6-G	VR105 [R DC SET]		

VIDEO PROCESS BOARD
Parts Location
C1-N59049

B SIDE



VIDEO PROCESS BOARD
Parts Location
C1-N59049

RGB OUT BOARD

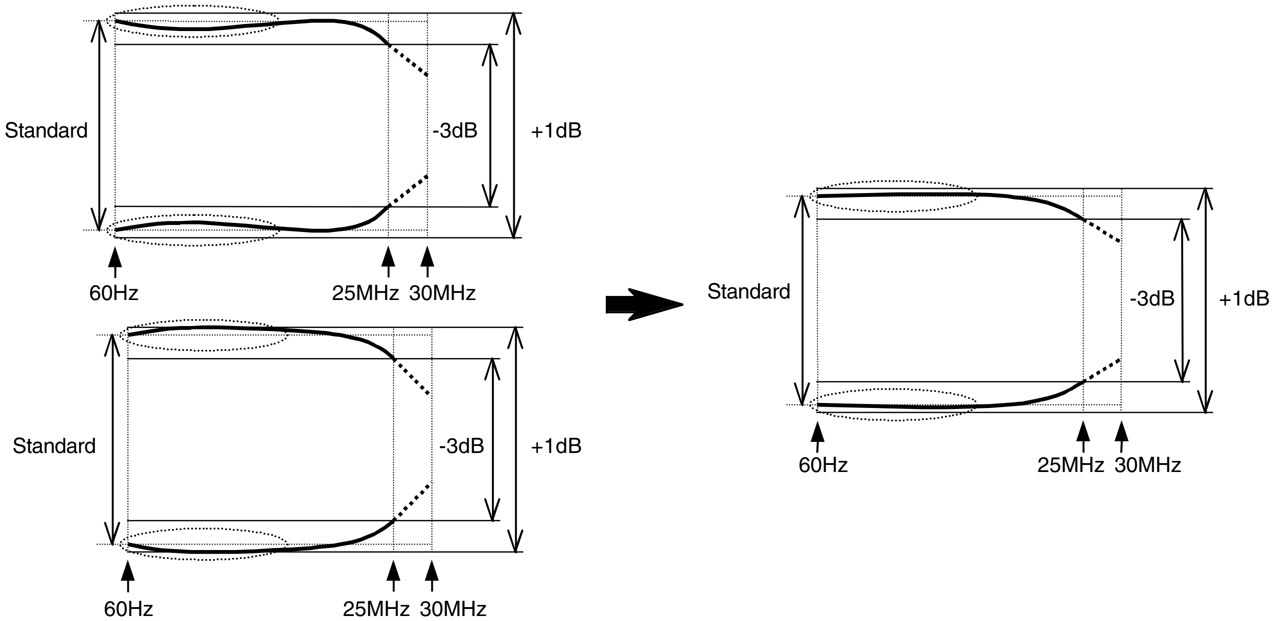
(1) Circuit Structure

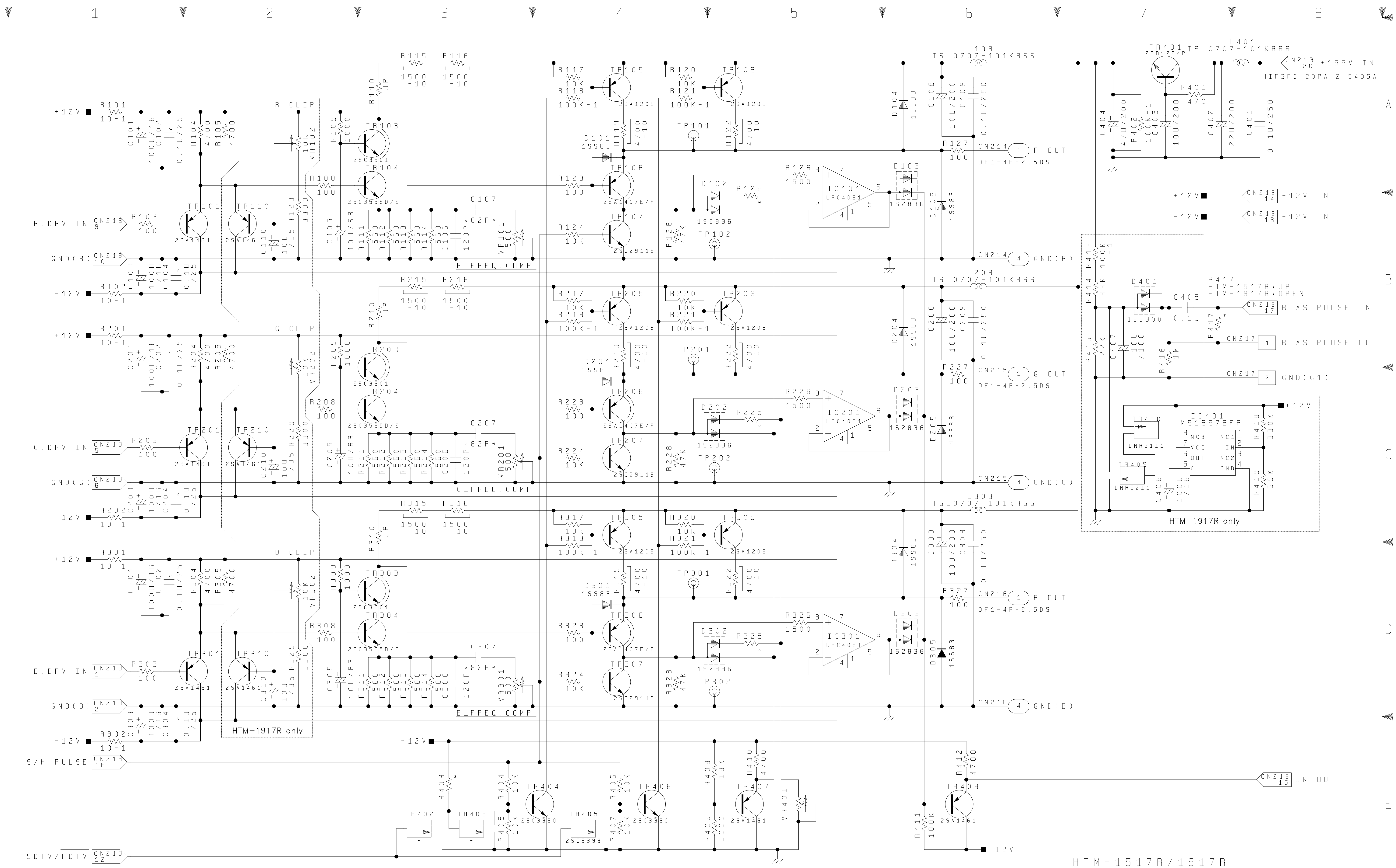
(a) Voltage amplifying Circuit
(b) Current amplifying Circuit+BFS (Beam Feedback System) switch Circuit
(c) BFS (Beam Feedback System) sampling-hold Circuit
(d) Ripple Filter

(2) Adjustment Method

* When not otherwise indicated, HDTV is the standard for the input signal in the analog component of YPbPr.
* The figures are images are differ from the actual signals.

(a) VR101 [R FREQ.COMP]
VR201 [G FREQ.COMP]
VR301 [B FREQ.COMP]
Input the sweep signal to Y and flatten the difference in the levels of the encircled sections from low level to medium level in the test points TP1 (R), TP2 (G), TP3 (B) of the CRT SOCKET BOARD.
Finally, adjust the Frequency Characteristic within +1dB/-3dB up to 25 MHz.
Note: Use the 100:1 high voltage/low capacity probe.





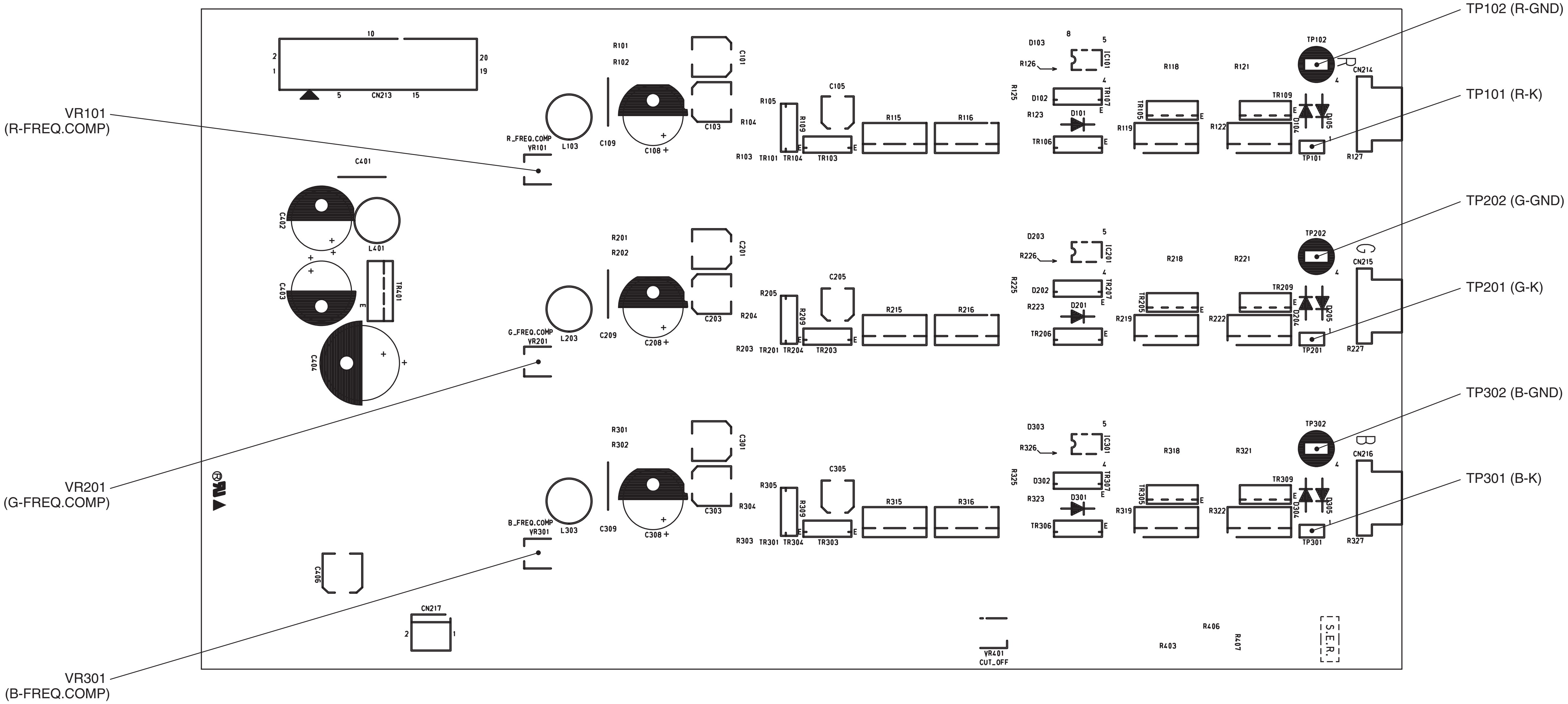
HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

RGB OUT BOARD
SCHEMATIC DIAGRAM

1/1

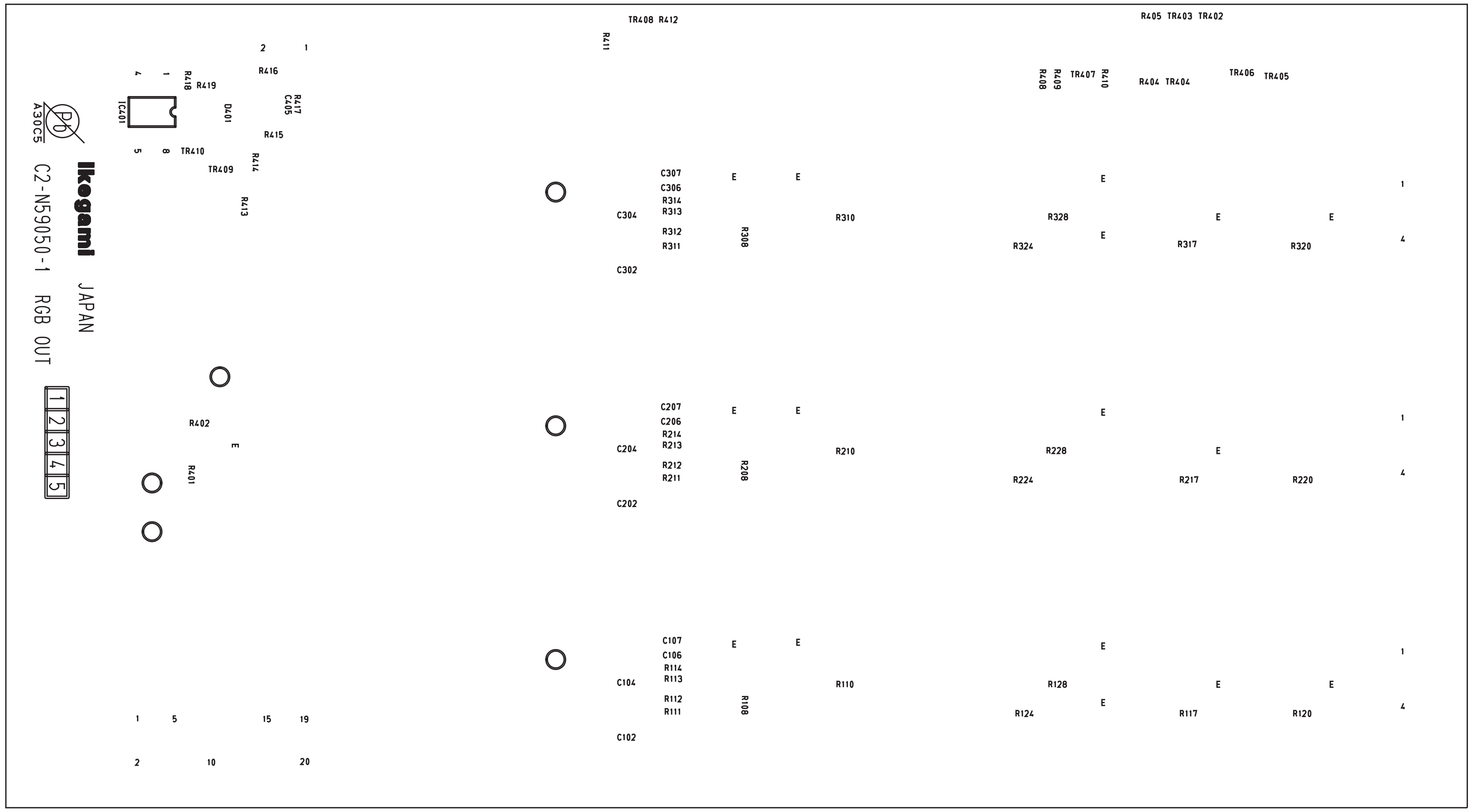
C3-905900

A SIDE

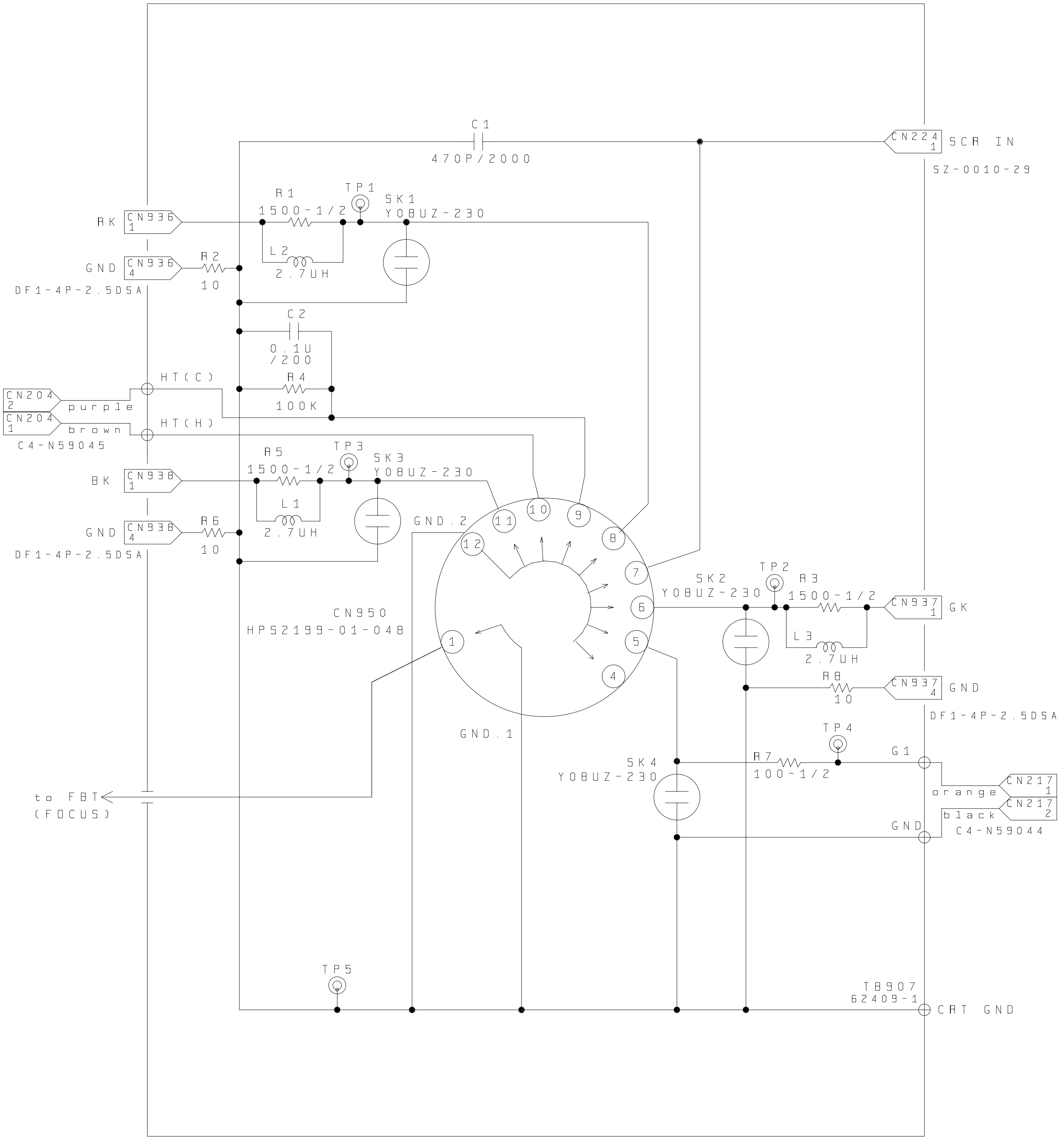


RGB OUT BOARD
Parts Location
C2-N59050

B SIDE



RGB OUT BOARD
Parts Location
C2-N59050



HTM-1517R
MULTI FORMAT COLOR MONITOR

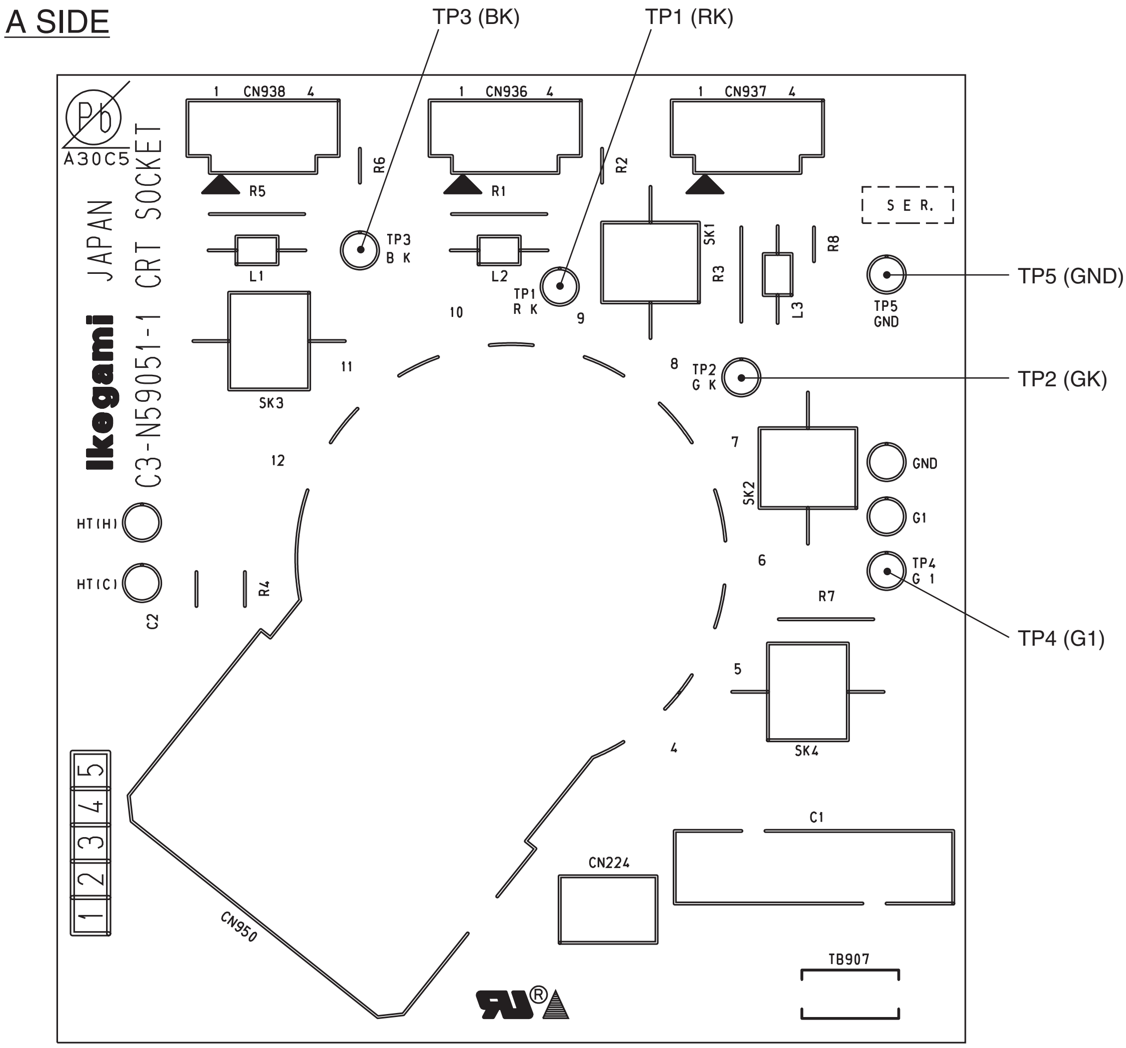
CRT SOCKET BOARD
SCHEMATIC DIAGRAM

1/1

REV

C4-905417 3

A SIDE



CRT-S BOARD
Parts Location
C3-N59051

C. DEF and POWER SYSTEM

<Substrate>

- DEF BOARD
- HV OUT BOARD
- POWER BOARD

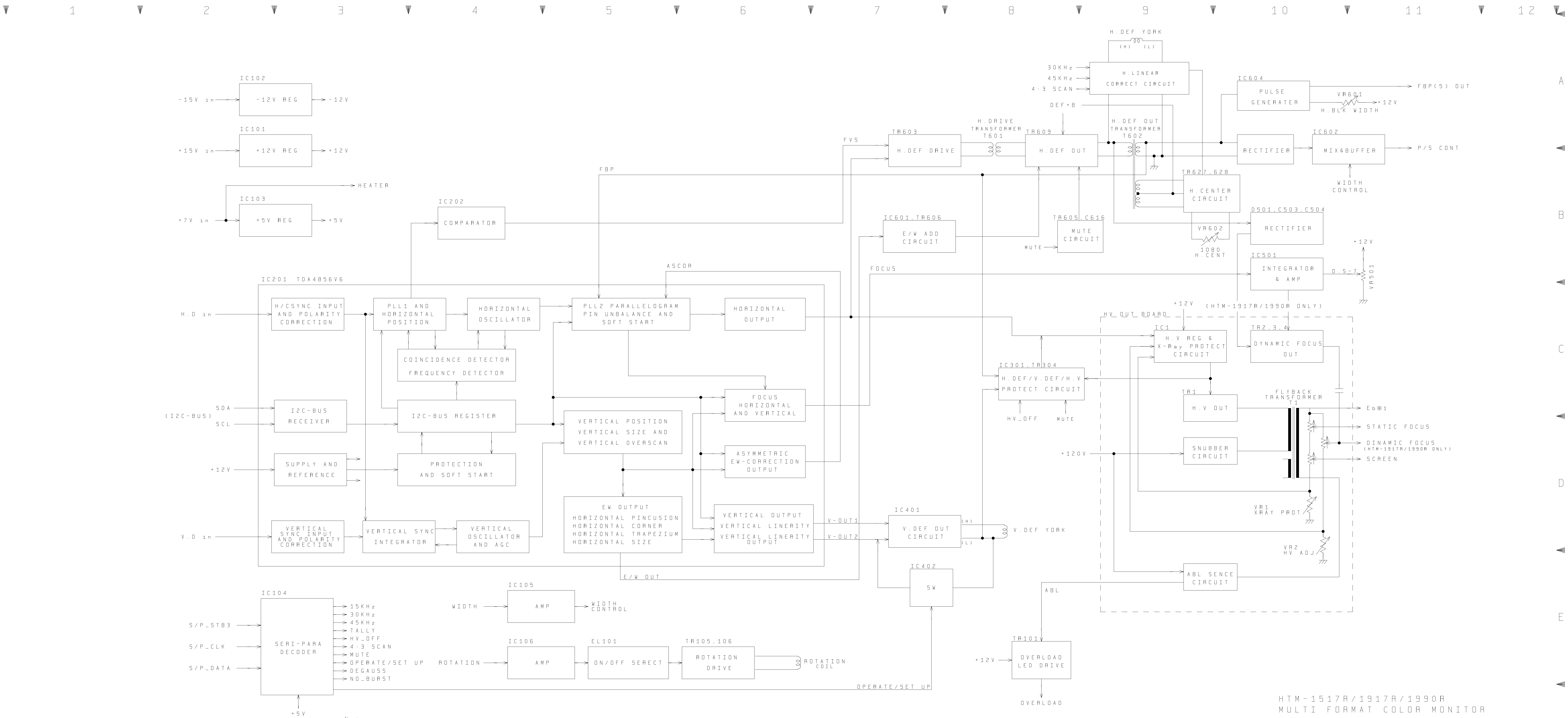
DEF BOARD/HV OUT BOARD

(1) Circuit Structure

(a) Vertical deflection Circuit
(b) Horizontal deflection Circuit
(c) Protection Circuit
(d) Horizontal centering Circuit
(e) Rotation Circuit
(f) High voltage output Circuit

(2) Adjustment Method

(a) EL101 [EL Bit Switch] : DEF BOARD
Select ON-OFF of rotation circuit. The default value is ON.
(b) VR501 [O.S - 7] : DEF BOARD
Set so that the DC level is 5.5V if the H.FOCUS and V.FOCUS data is 0% for TP501.
(c) VR601 [H.BLK WIDTH] : DEF BOARD
Set so that the pulse width of the negative pulse is 2.5 uS for TP606.
(d) VR602 [1080_ H.CENT_ADJ] : DEF BOARD
Set so that the raster comes to the center position of the screen for 1080i/60 input.
(e) VR1 [X-RAY PROT] : HV OUT BOARD
VR2 [HV ADJ] : HV OUT BOARD
1. Connect the high voltage meter to the anode cap of the CRT.
2. Set CONTRAST VR and BRIGHTNESS VR to the manual mode and set to MIN.
3. Temporarily set the high voltage output to the following values with VR2.
HTM-1517R : 27.5KV
HTM-1917R/1990R : 28.5KV
4. Rotate VR1 from MIN in a clockwise direction up to when protection operates.
When protection operates, turn the power switch OFF.
5. After returning the setting position of VR2 from the MIN position, turns the power switch ON.
6. Use VR2 to set the high voltage output as follows.
HTM-1517R : 25KV
HTM-1917R/1990R : 26KV

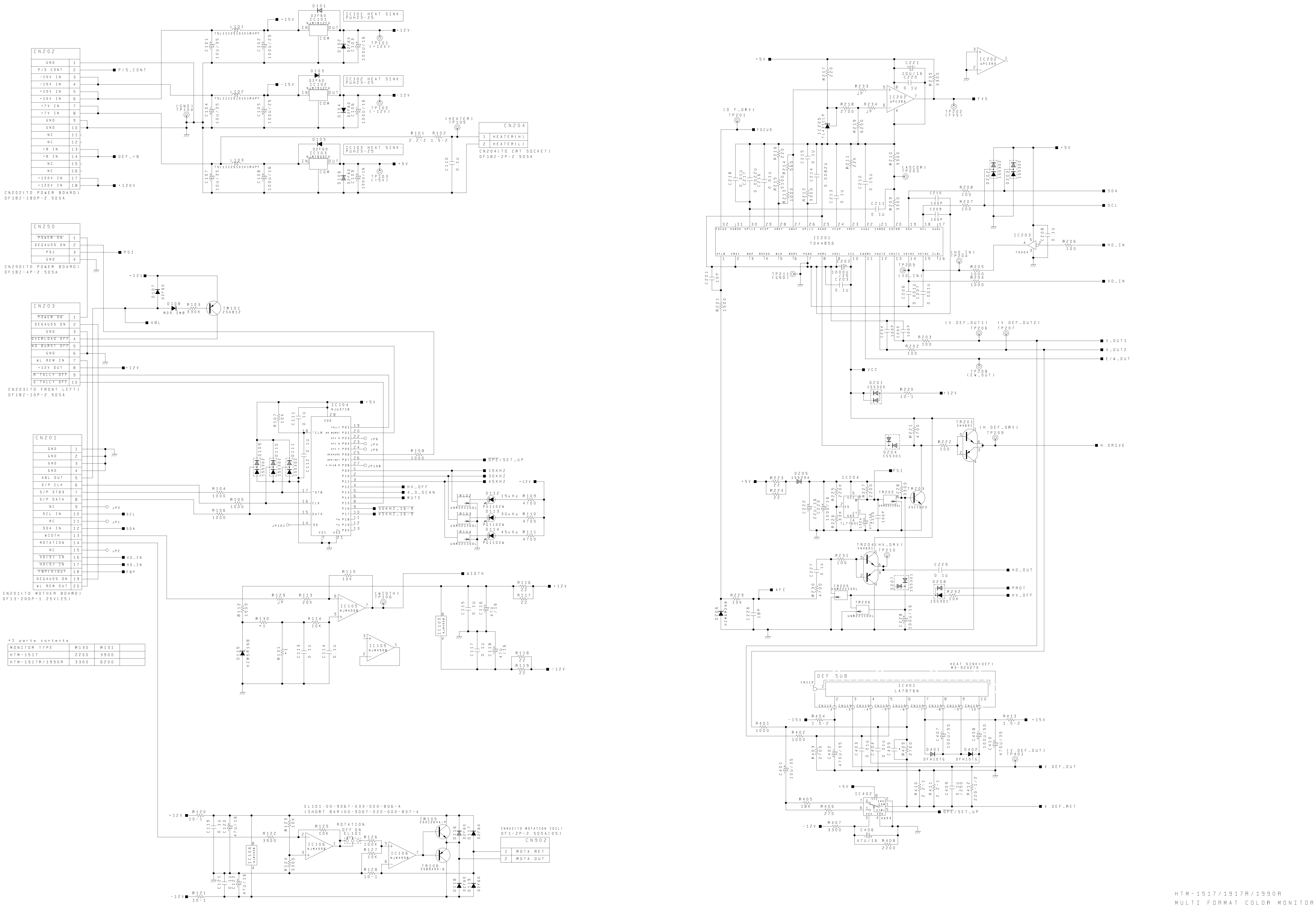


Note:
*1 For the high voltage, HTM-1517 is 25kV and HTM-1917R/1990R is 26kV.

HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD/HV OUT BOARD 1/1
BLOCK DIAGRAM

C21-905929



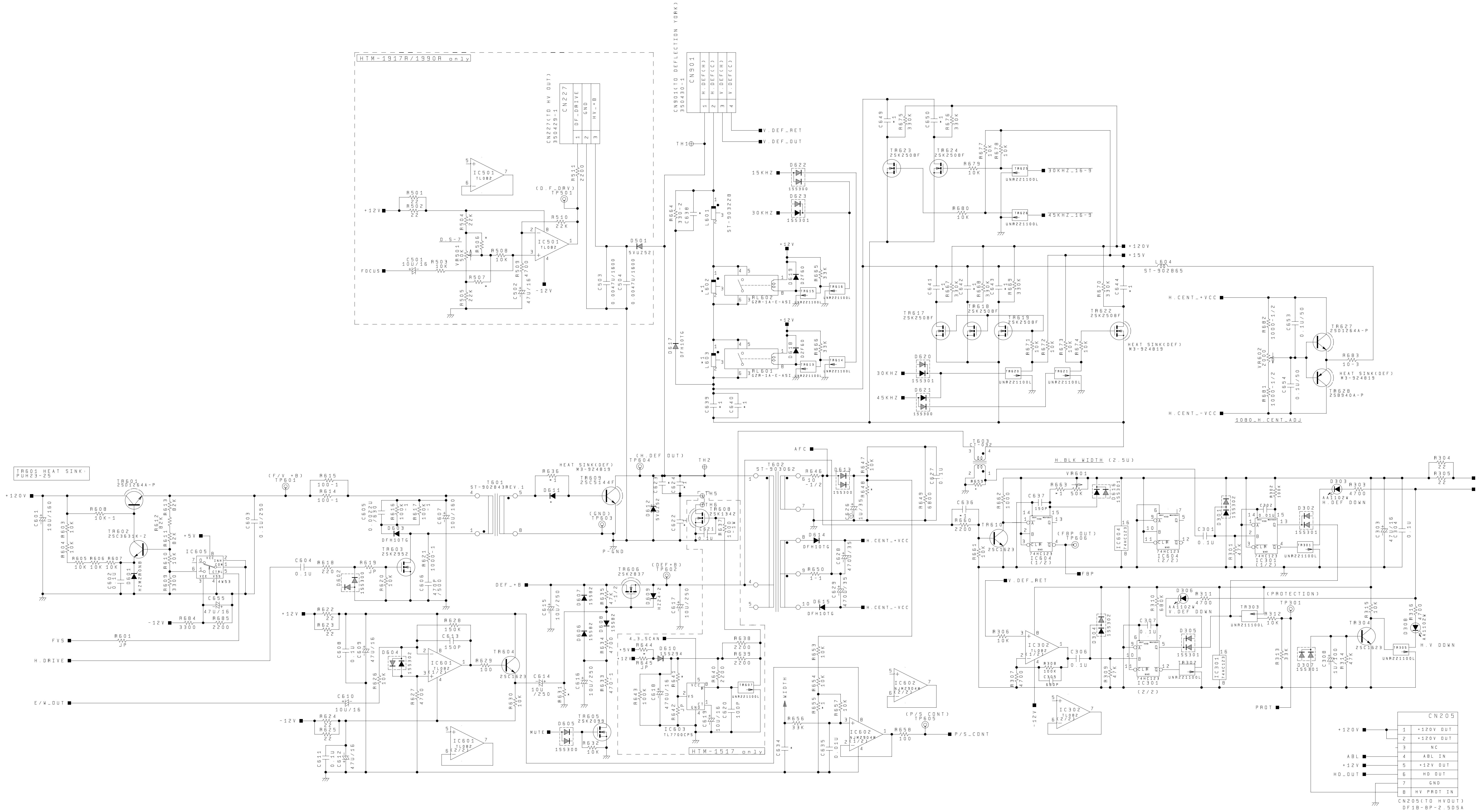
*1 parts contents

MONITOR TYPE	R130	R131	
HTM-1517	2200	3900	
HTM-1917R/1990R	3300	6200	

HTM-1517/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD
SCHEMATIC DIAGRAM 1/2

REV.
C1-905802 2



*1 parts contents

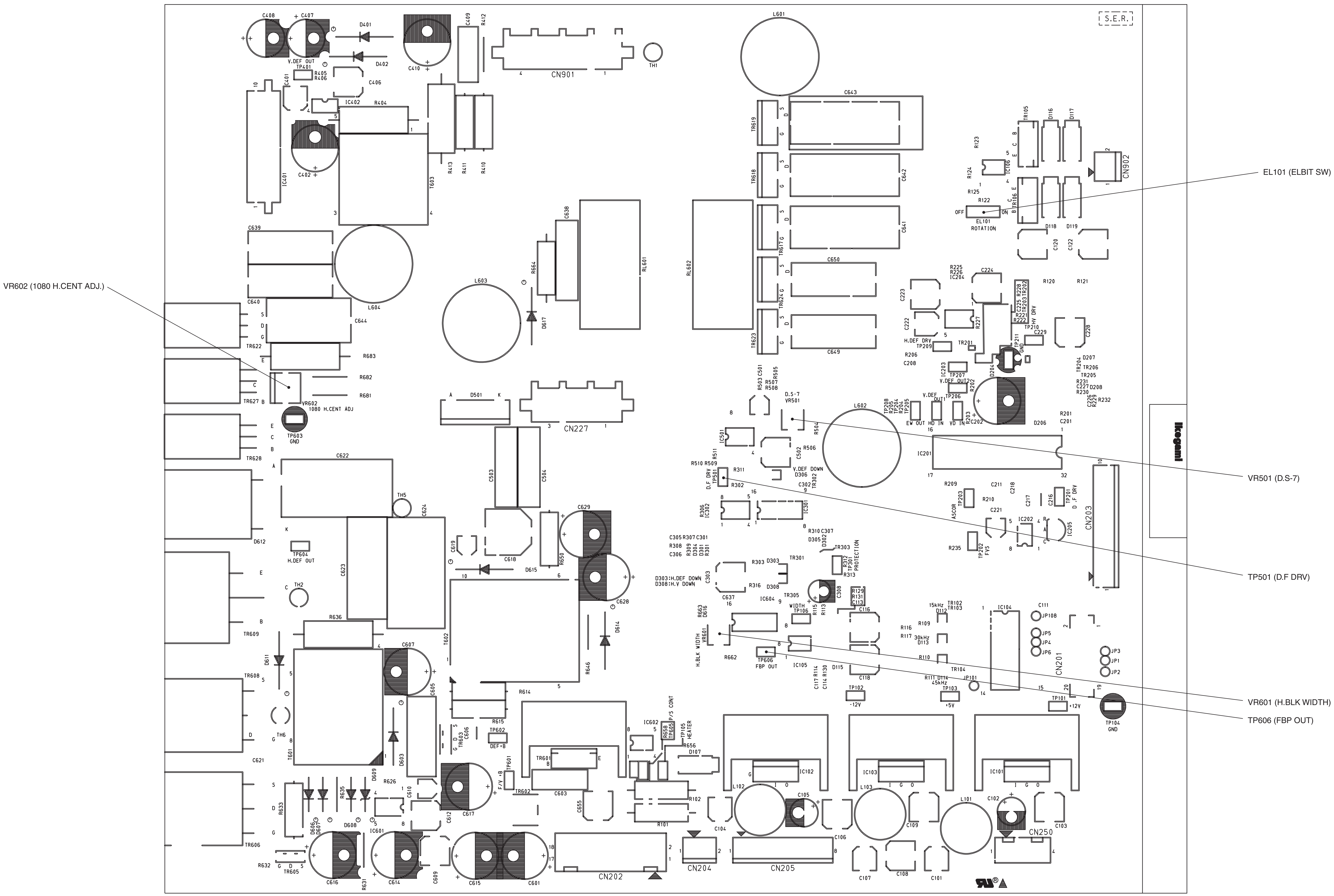
MONITOR TYPE	C622	C624	R636	L602	L603	C639	C640	C641	C642	C643	C644	C649	C650	R655	C636	R663
HTM-1517	0.0056U/1800VHP	0.0047U/1800VHP	1-3W	ST-902866	ST-903261	0.1U/800V	0.1U/800V	1U/250V	1U/250V	1U/250V	0.33U/250V	0.15U/250V	0.22U/250V	2200	470P	6800
HTM-1917R/1990R	0.015U/1800VHP	0.01U/1800VHP	0.47-3W	ST-903260	ST-903061	0.33U/630V	0.22U/630V	2.2U/250V	2.2U/250V	3.9U/250V	0.82U/250V	0.47U/250V	0.82U/250V	3300	NOT USED	4700

HTM-1517/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD
SCHEMATIC DIAGRAM 2/2

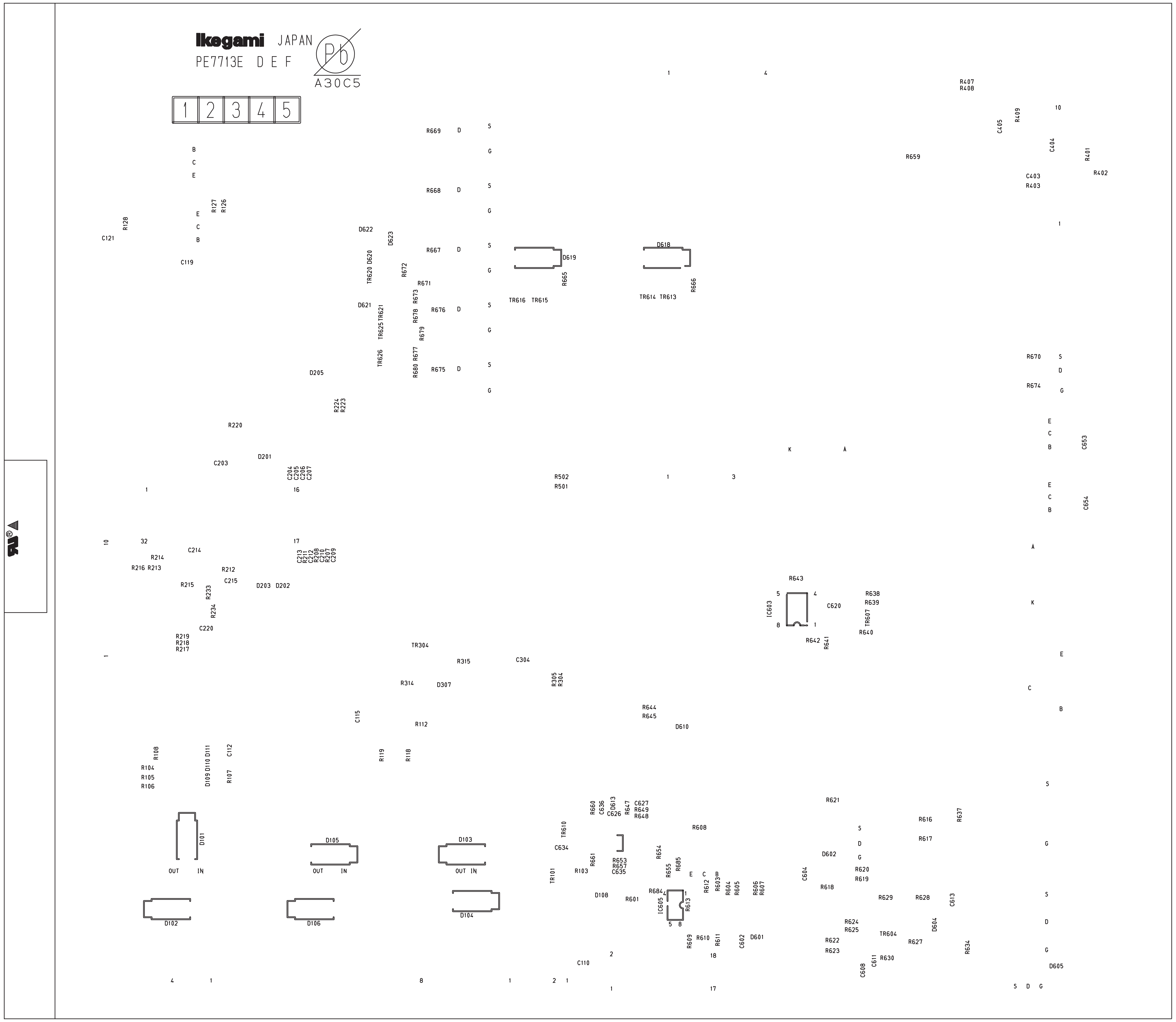
REV.
C1-905802 2

A SIDE

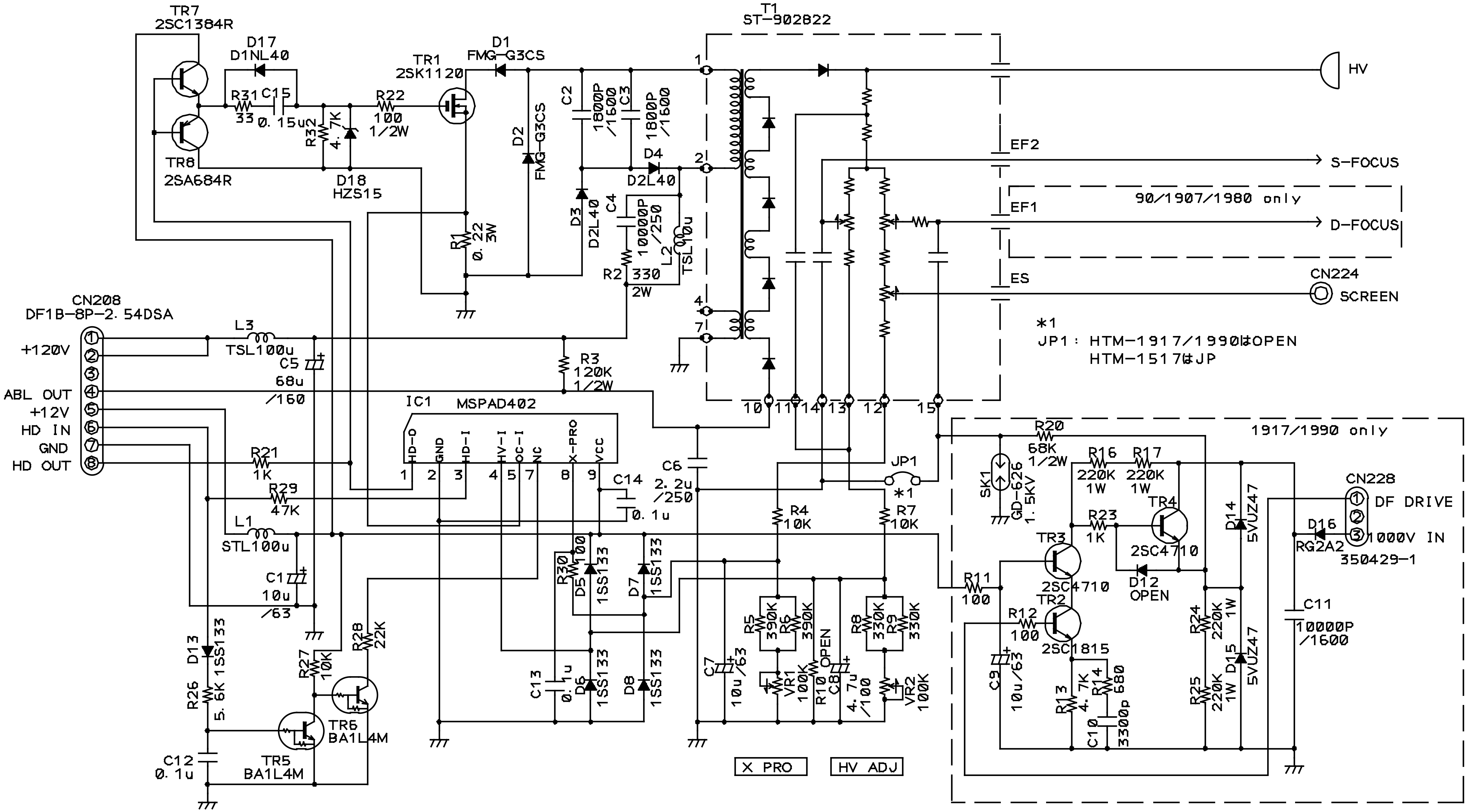


DEF BOARD
Parts Location
PE7713E

B SIDE



DEF BOARD
Parts Location
PE7713E

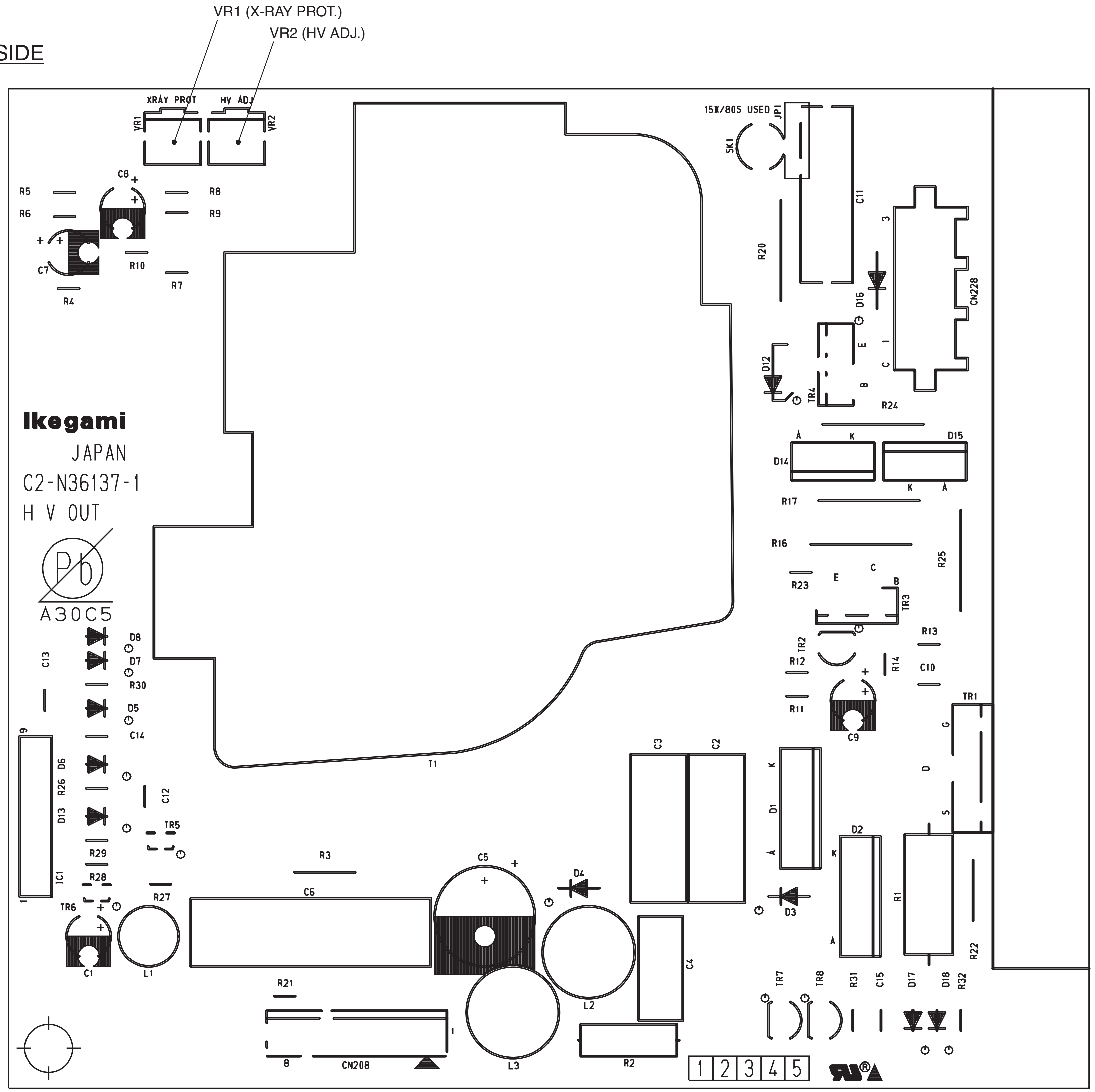


HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

HV OUT BOARD 1/1
SHCEMATIC DIAGRAM

C3-N36175

A SIDE



HV BOARD
Parts Location
C2-N36137

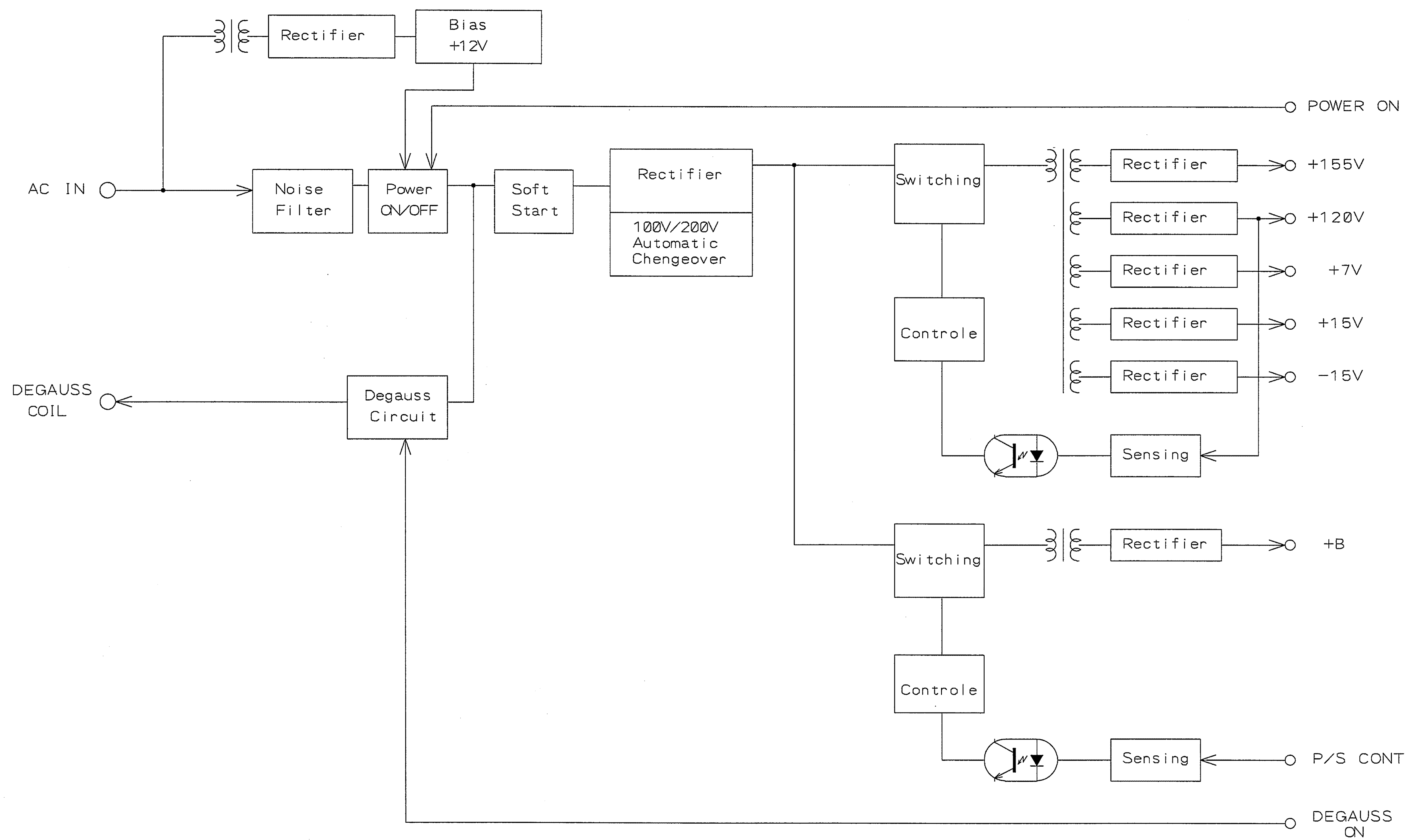
POWER USA BOARD

(1) Circuit Structure

(a) Automatic input voltage (100V/200V) switching Circuit.
(b) Degauss Circuit
(c) Main Power Circuit
(d) DEF+B Power Circuit

(2) Adjustment Method

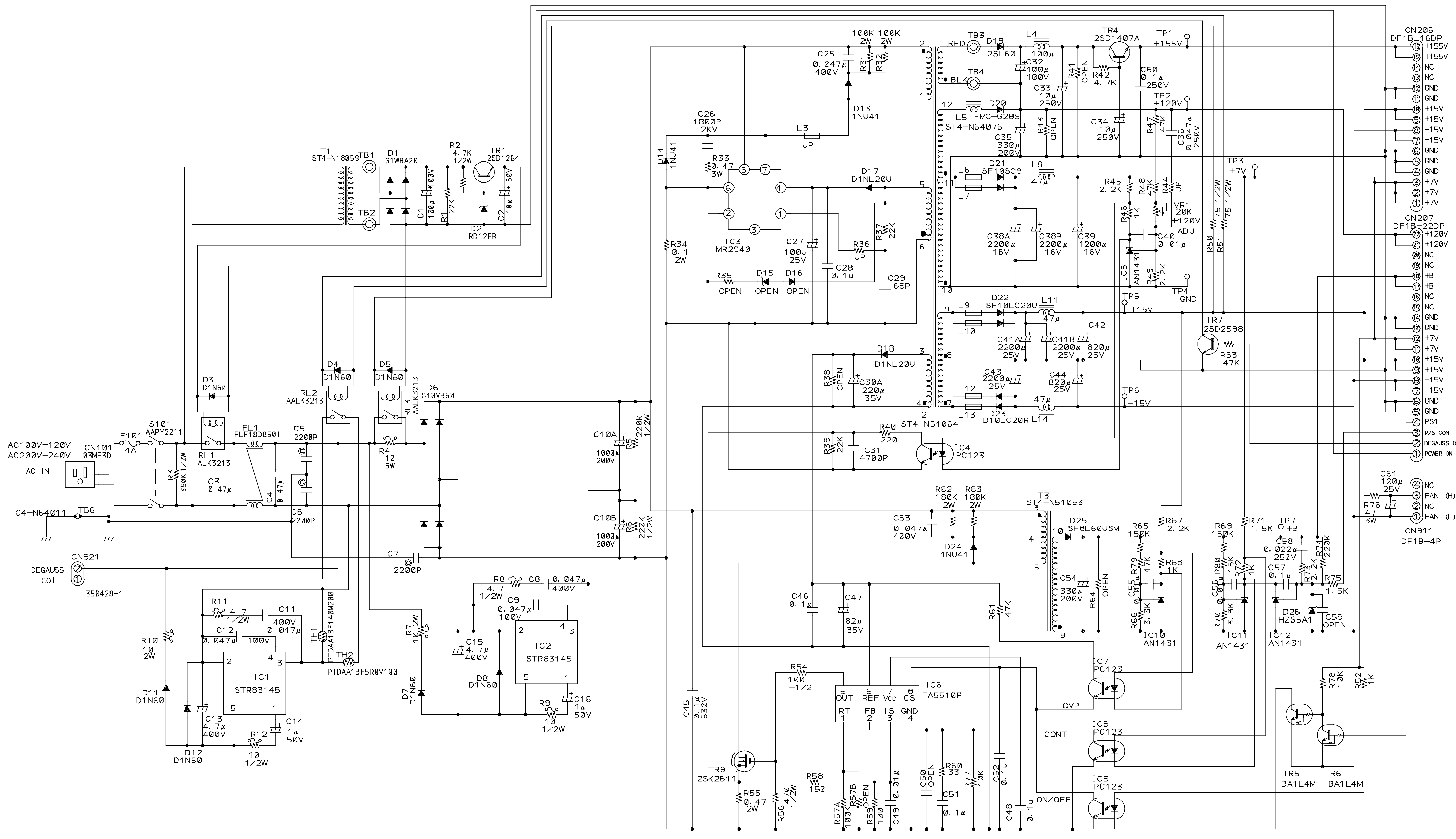
(a) VR1 [120V ADJ]
Adjust TP2 Voltage to 120V±1V.
(b) Confirm that the TP terminal voltage are the following values:
TP1: 155V ~ 170V
TP3: 6V ~ 7.5V
TP5: 14V ~ 17V
TP6: -14V ~ -17V



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

POWER USA BOARD 1/1
BLOCK DIAGRAM

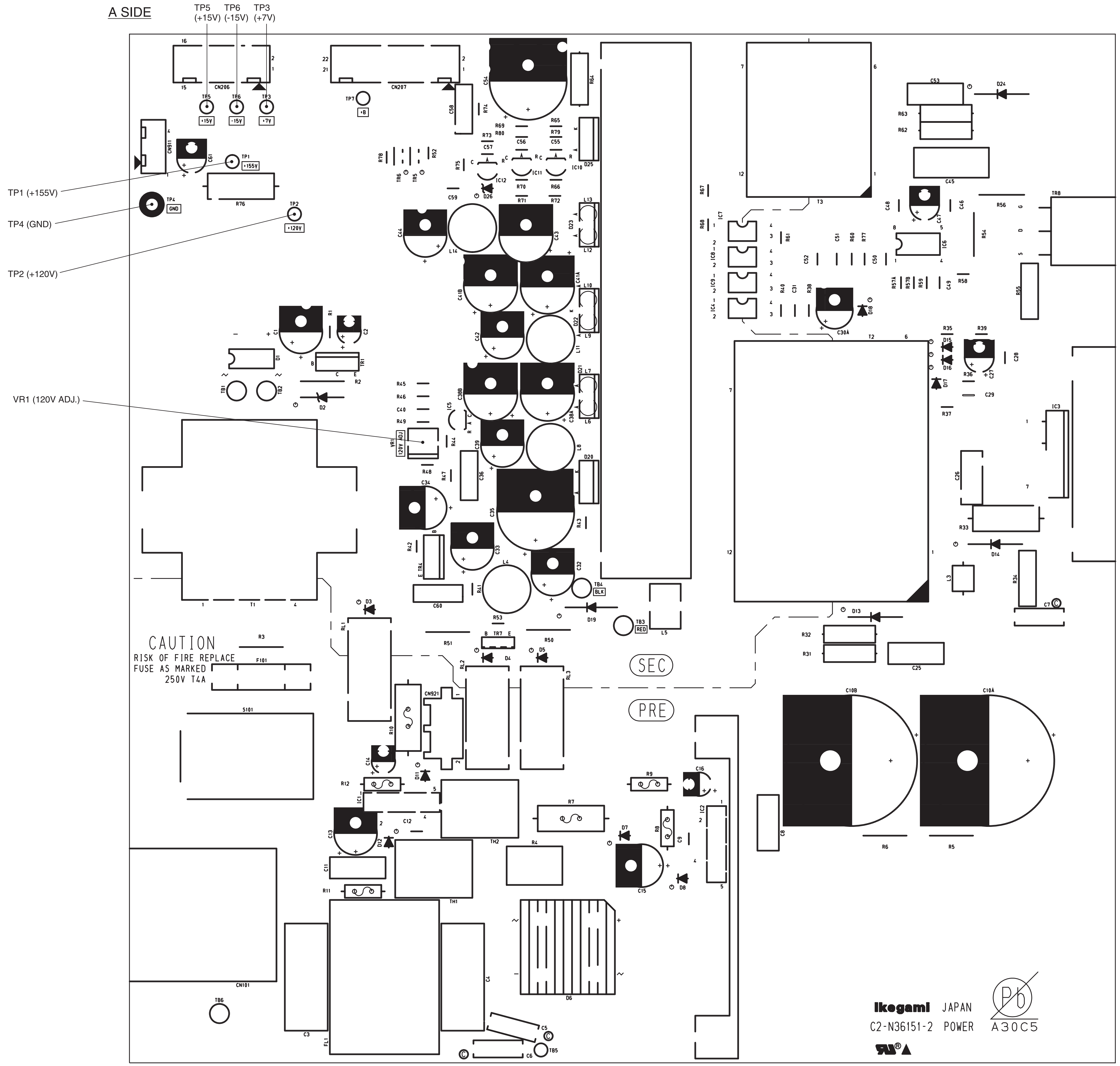
C3-N64150



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

POWER USA BOARD 1/1
SCHEMATIC DIAGRAM

C2-N36136



POWER-UL BOARD
Parts Location
C2-N36151

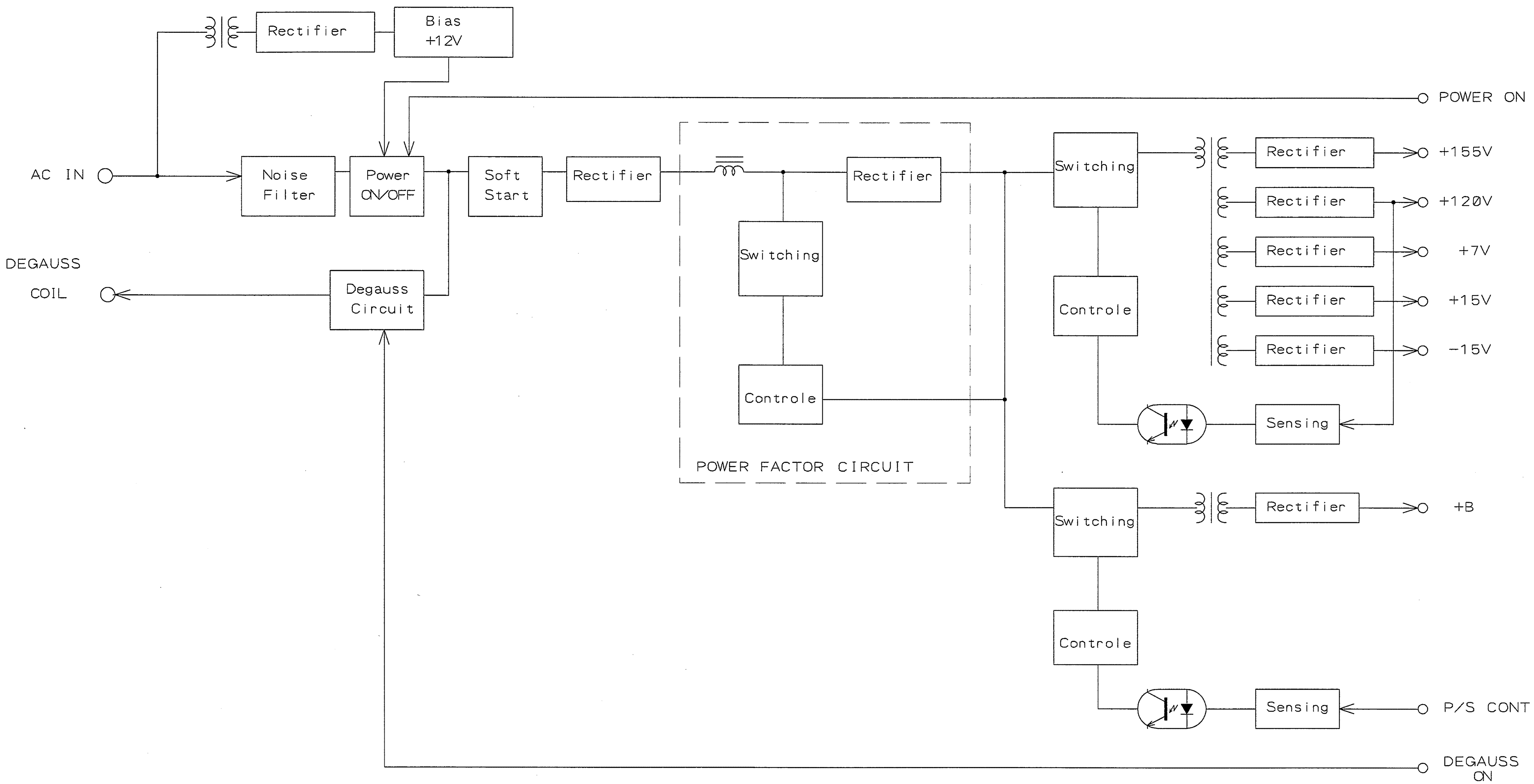
POWER EUR BOARD

(1) Circuit Structure

(a) Power Factor Circuit
(b) Degauss Circuit
(c) Main Power Circuit
(d) DEF+B Power Circuit

(2) Adjustment Method

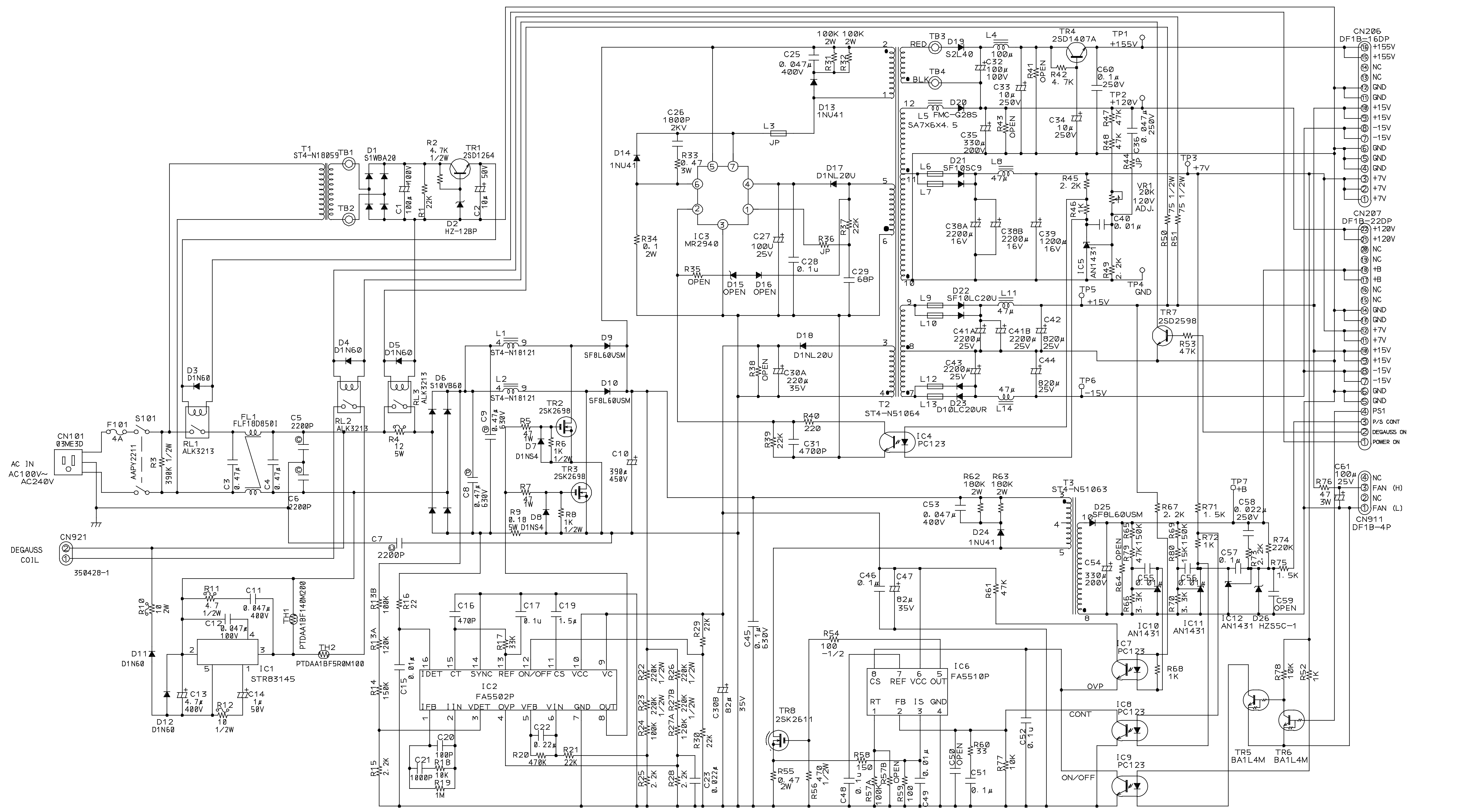
(a) VR1 [120V ADJ]
Adjust the TP2 Voltage to 120V±1V.
(b) Confirm that the TP terminal voltages are as follows:
TP1: 155V ~ 170V
TP3: 6V ~ 7.5V
TP5: 14V ~ 17V
TP6: -14V ~ -17V



HTM-1517R/1990R
MULTI FORMAT COLOR MONITOR

POWER EUR BOARD 1/1
BLOCK DIAGRAM

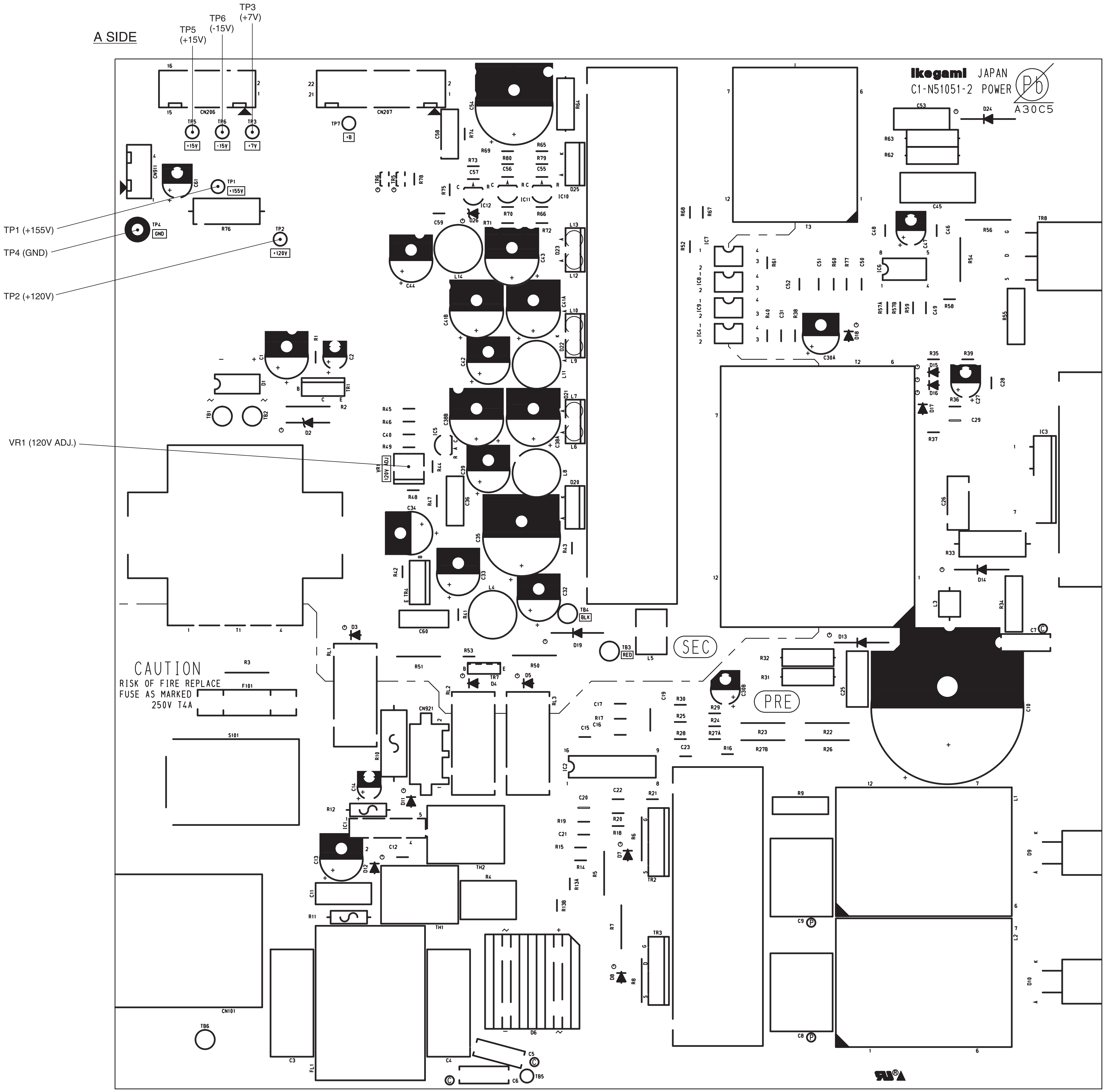
C3-N64151



HTM-1517R/1990R
MULTI FORMAT COLOR MONITOR

POWER EUR BOARD 1/1
SCHEMATIC DIAGRAM

C2-N51082



POWER-CE BOARD
Parts Location
C1-N51051

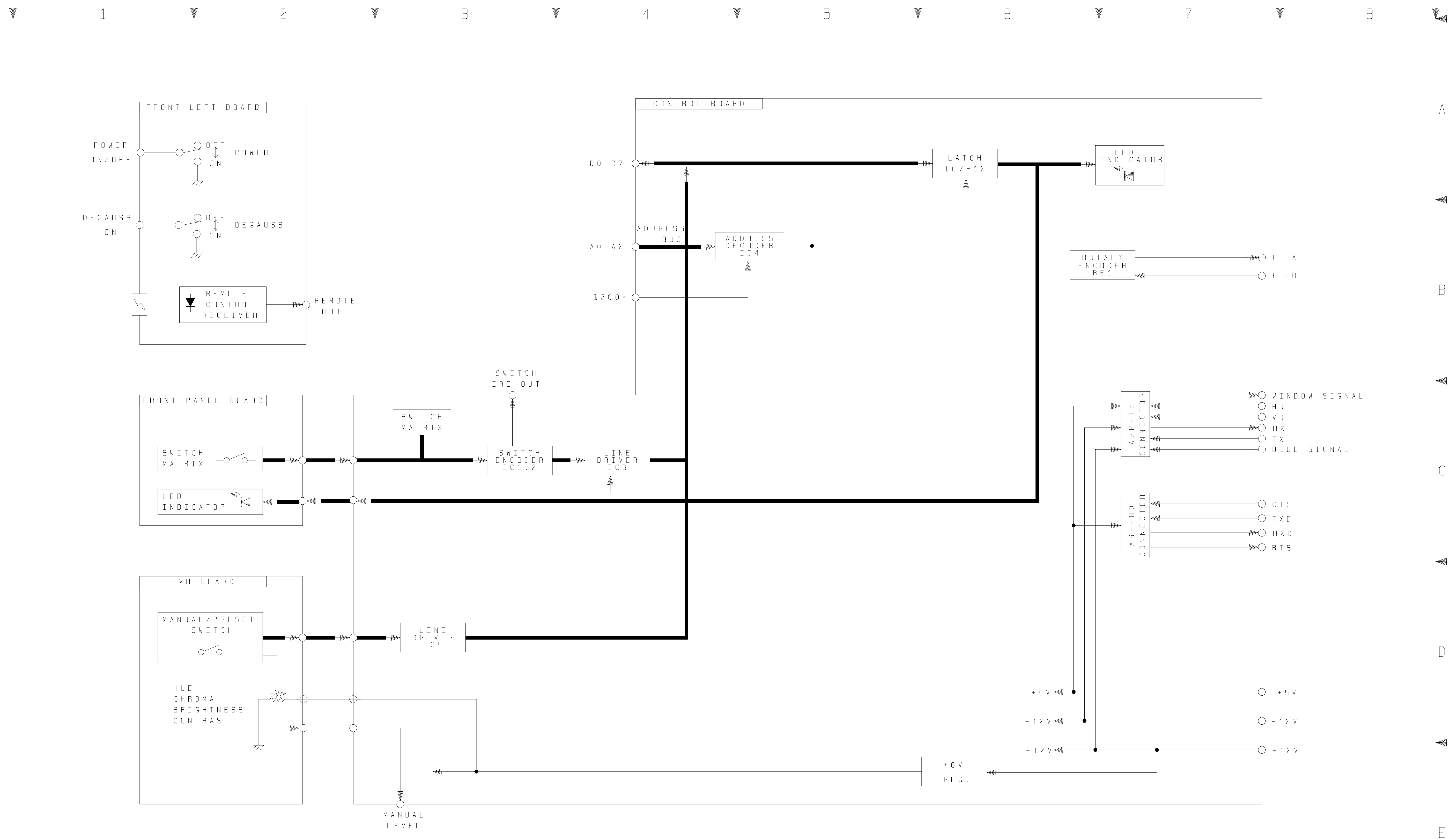
D. CONTROL SYSTEMS

< Substrate>

- FRONT PANEL BOARD
- FRONT LEFT BOARD
- CONTROL / VR BOARD
- LED BOARD

(1) Circuit Structure

(a) Switch Matrix Circuit
(b) I/O Processing Circuit



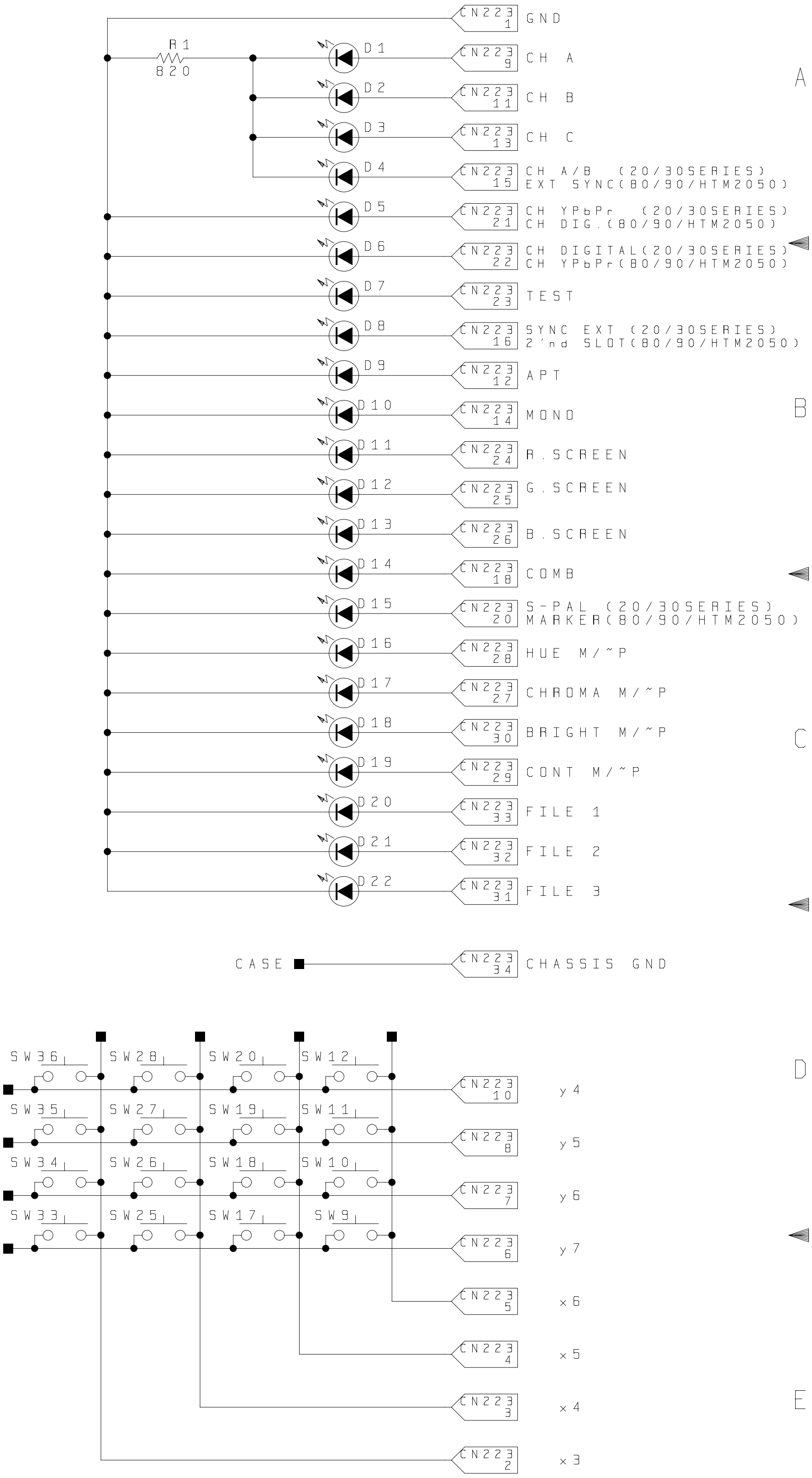
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

CONTROL SYSTEM
BLOCK DIAGRAM

1/1

C3-905713

D1 to D15 : TLG226
D20 to D22 : TLG226
D16 to D19 : TLY226



S9 : DIGITAL(20/30SERIES)
YPbPr (80/90/HTM2050)
S10: R.SCREEN
S11: G.SCREEN
S12: B.SCREEN
S17: DELAY (20/30SERIES)
ASPECT(80/90/HTM2050)
S18: MONO
S19: SCAN
S20: APT
S25: SYNC EXT (20/30SERIES)
2'nd SLOT(80/90/HTM2050)
S26: COMB
S27: S-PAL (20/30SERIES)
MARKER(80/90/HTM2050)
S28: SAFE TITLE(20/30SERIES)
DELAY (80/90/HTM2050)
S33: TEST
S34: UP SELECT
S35: DOWN SELECT
S36: YPbPr (20/30SERIES)
DIGITAL(80/90/HTM2050)

HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

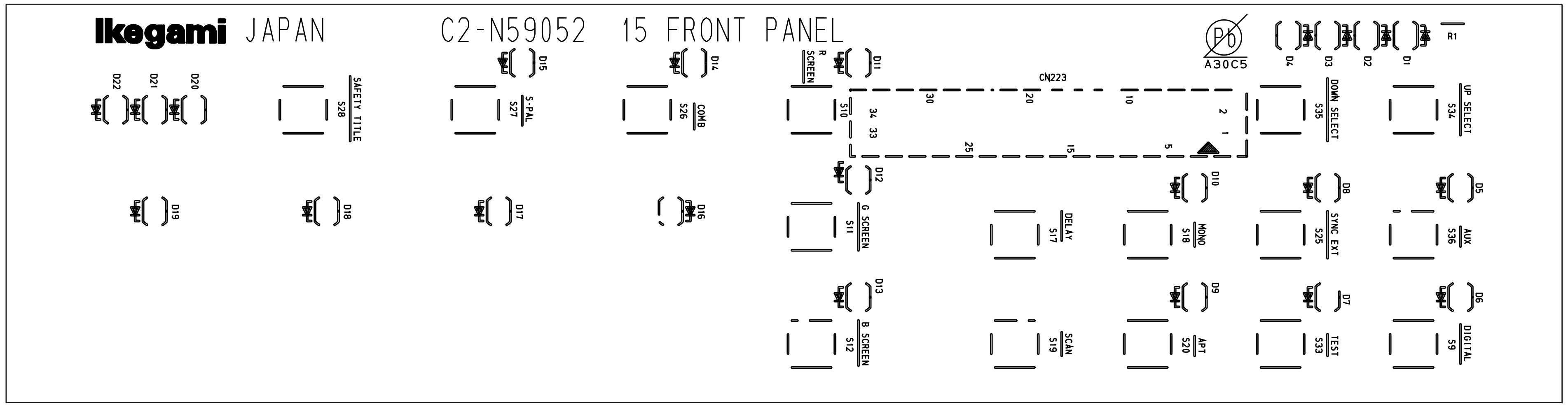
FRONT PANEL BOARD
SCHEMATIC DIAGRAM

1/1

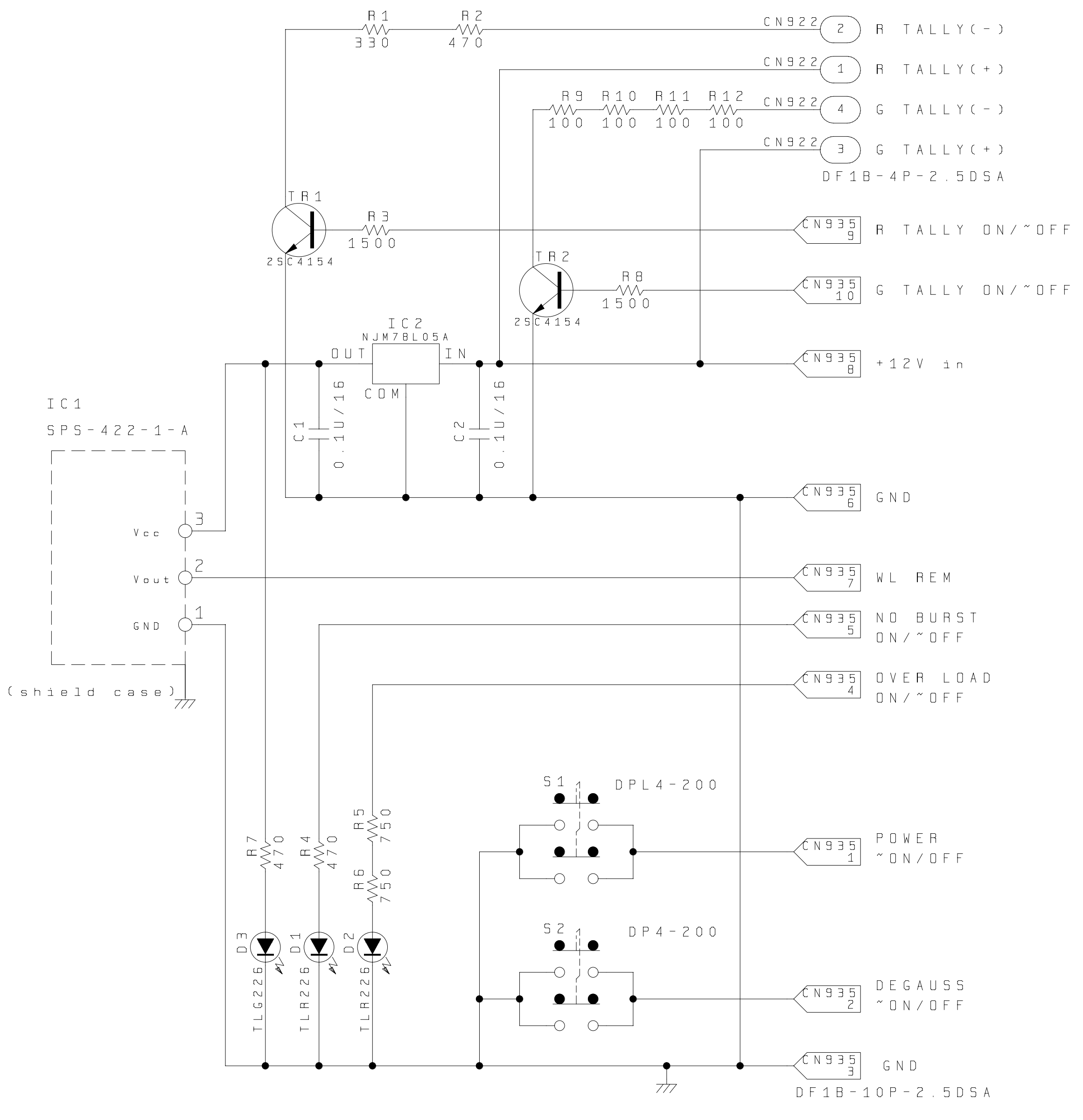
REV.

C4-904225 2

A SIDE



FRONT PANEL BOARD
Parts Location
C2-N59052



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

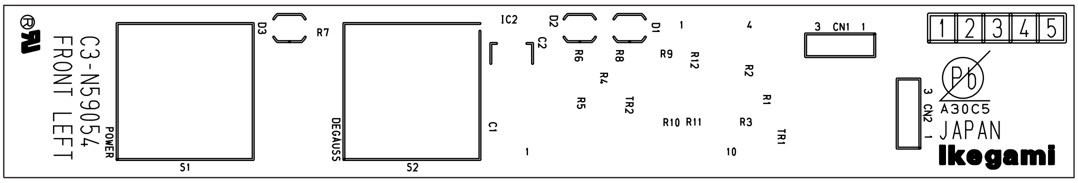
FRONT LEFT BOARD
SCHEMATIC DIAGRAM

1/1

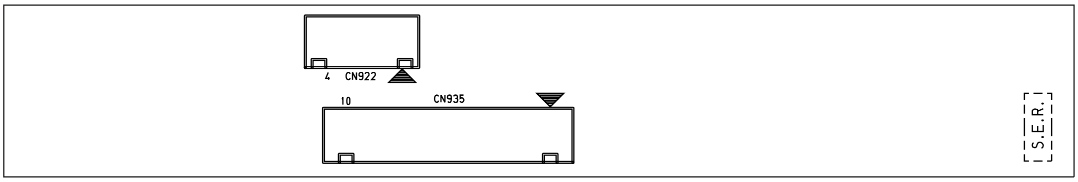
REV.

C4-905339 2

A SIDE

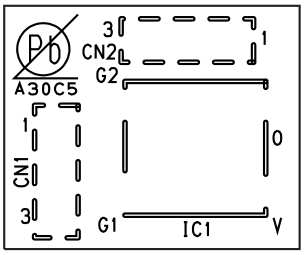


B SIDE

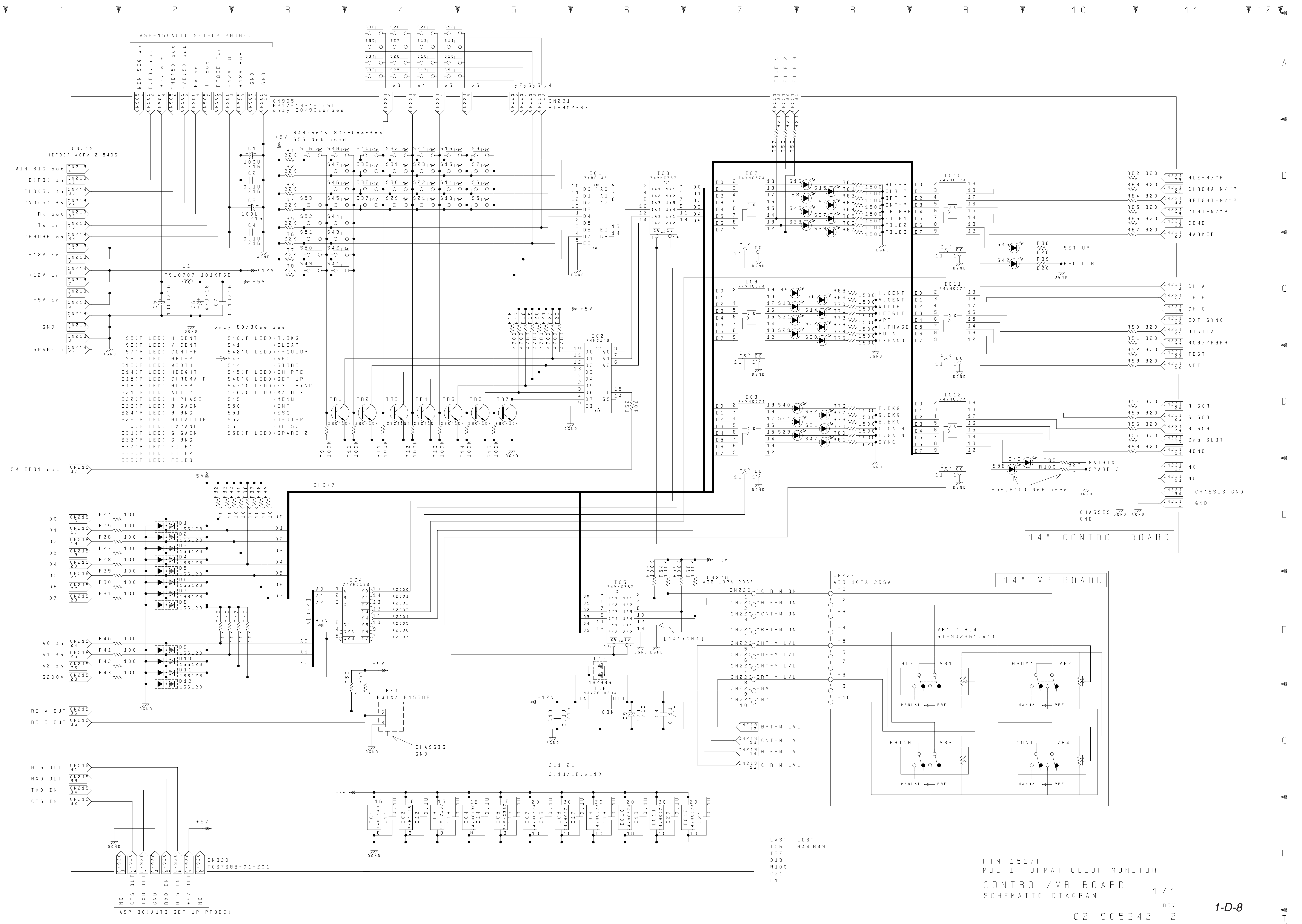


FRONT LEFT BOARD
Parts Location
C3-N59054

A SIDE

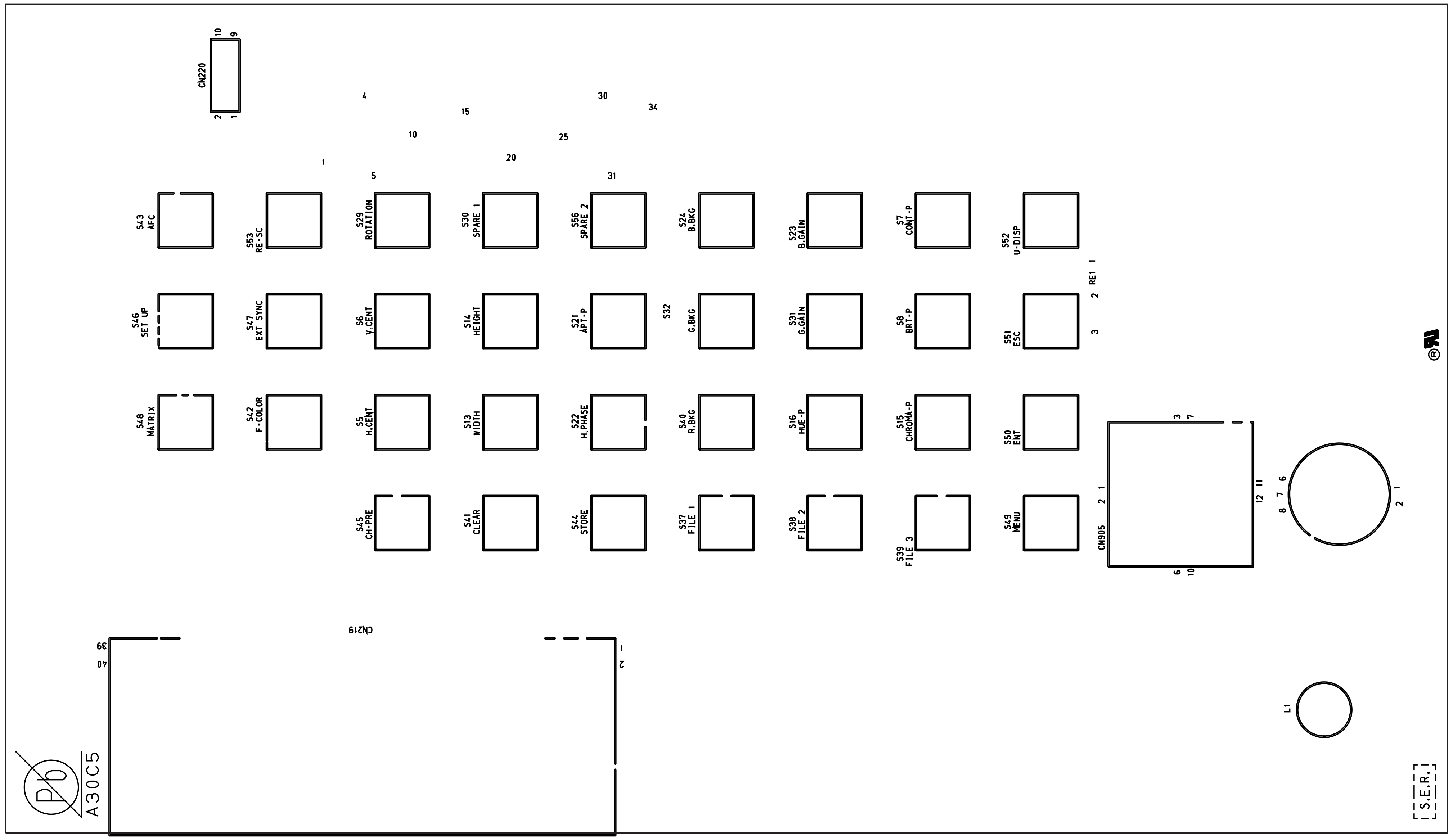


IR BOARD
Parts Location
C4-N59059


ASP-15(AUTO SET-UP PROBE)
CN905
RP17-13RA-12SD
only 80/90series
CN221
ST-902367
CN219
HIF3BA-40PA-2.54DS
IC1 74HC148
IC2 74HC148
IC3 74VHC367
IC4 74VHC138
IC5 74VHC367
IC6 NJM78L08UA
IC7 74VHC574
IC8 74VHC574
IC9 74VHC574
IC10 74VHC574
IC11 74VHC574
IC12 74VHC574
HUE-M/~P
CHROMA-M/~P
BRIGHT-M/~P
CONT-M/~P
COMB
MARKER
SET UP
F-COLOR
CH A
CH B
CH C
EXT SYNC
DIGITAL
RGB/YPBPR
TEST
APT
R SCR
G SCR
B SCR
2nd SLOT
MONO
NC
CHASSIS GND
GND
MATRIX
SPARE 2
S56,R100:Not used
14" CONTROL BOARD
14" VR BOARD
CN222
A3B-10PA-2DSA
CN220
A3B-10PA-2DSA
VR1,2,3,4
ST-902361(×4)
HUE
CHROMA
BRIGHT
CONT
MANUAL
PRE
RE1
EWTXA F1550B
CHASSIS GND
C11-21
0.1U/16(×11)
CN920
TCS7688-01-201
ASP-80(AUTO SET-UP PROBE)
LAST LOST
IC6 R44 R49
TR7
D13
R100
C21
L1
HTM-1517R
MULTI FORMAT COLOR MONITOR
CONTROL/VR BOARD
SCHEMATIC DIAGRAM
1/1
REV.
C2-905342 2

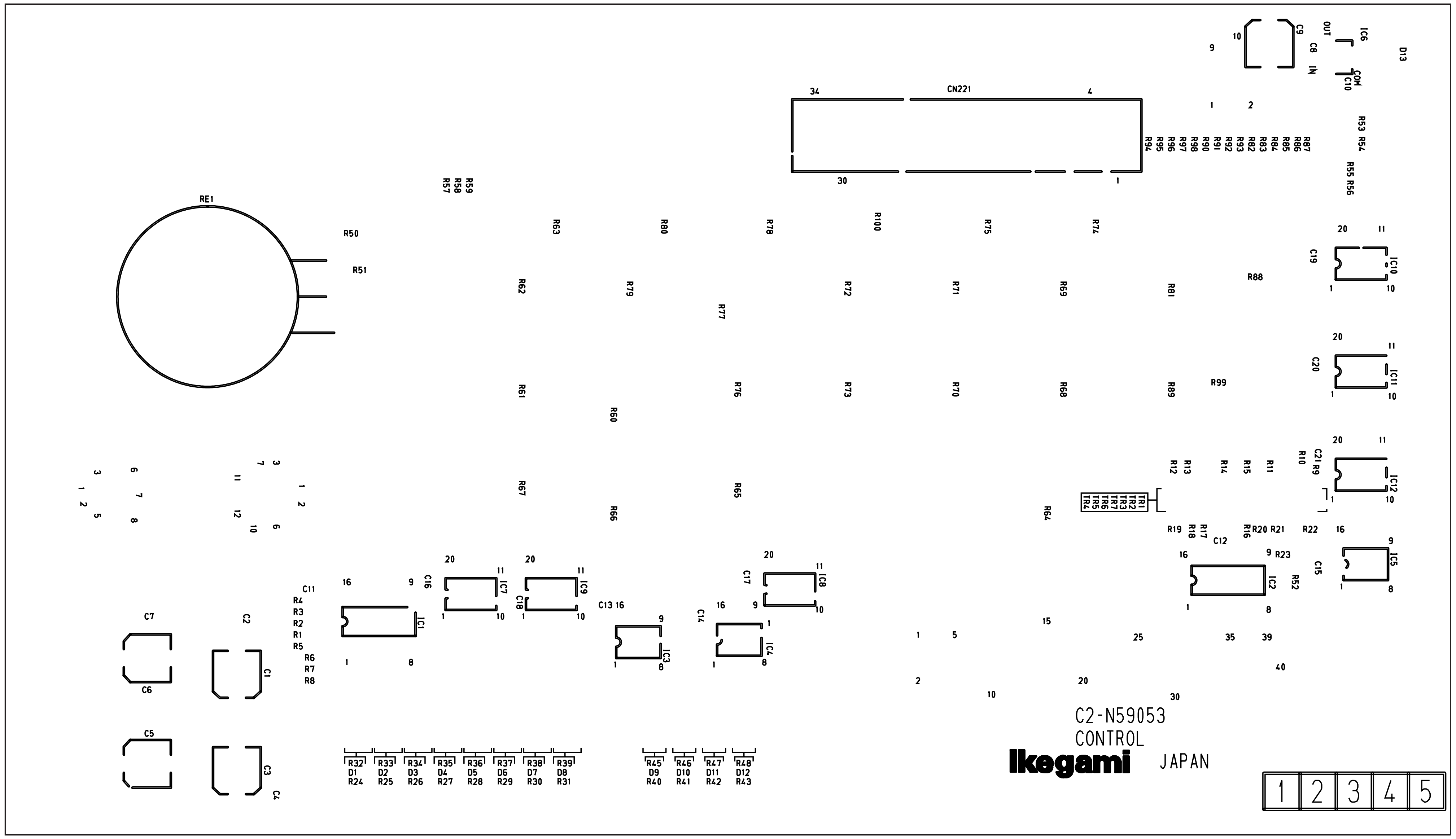
1-D-8

A SIDE



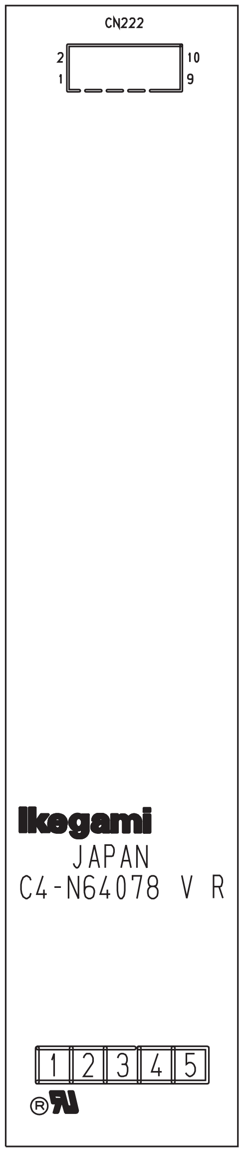
CONTROL BOARD
Parts Location
C3-N59053

B SIDE

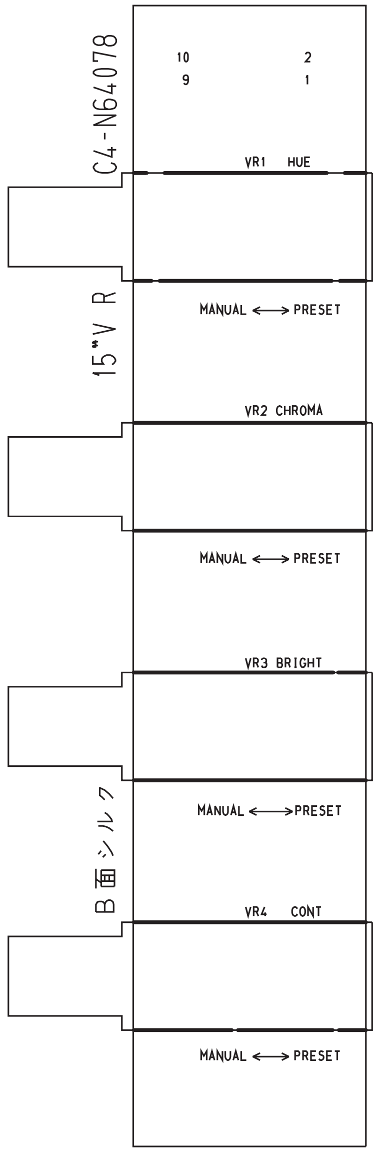


CONTROL BOARD
Parts Location
C3-N59053

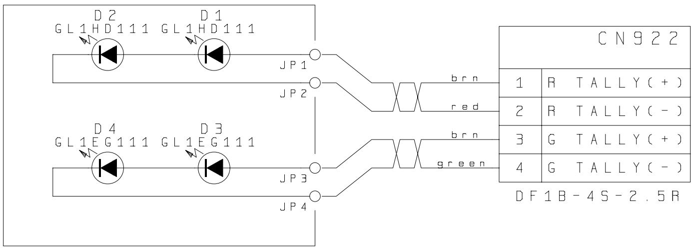
A SIDE



B SIDE



VR BOARD
Parts Location
C4-N64078



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MOMITOR

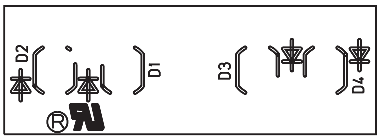
LED BOARD
SCHEMATIC DIAGRAM

1/1

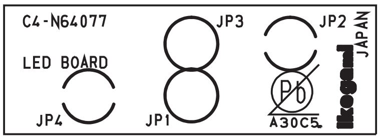
REV.

C4-905470 2

A SIDE



B SIDE



LED BOARD
Parts Location
C4-N64077

2. ELECTRIC PARTS LIST

How to read the parts list

Example

①
MAIN BOARD

③ SYMBOL	PARTS CODE ④	⑤ MFD.
② < Variable Resistors >		
VR 3	CF06UT2 5KΩ	COS
VR 4	※	
VR 5	CF06UT2 5KΩ	COS
VR 6	CF06UT2 5KΩ	COS
VR 7	CF06UT2 5KΩ	COS
VR 8	CF06UT2 20KΩ	COS
VR 9	EVU-EZ0F20825	COS

CRT SOCKET BOARD

SYMBOL	PARTS CODE	MFD.
< Transistors >		
TR 1	2SC1514	HIT
TR 2	2SC1514	HIT
< Diodes >		
D 1	DFH10G	SYO

①··· Name of module
②··· Category of parts
③··· Parts number shown on circuit diagram
④··· Model number of parts
⑤··· Manufacturer

• Notice.

1. Please pay attention to handle the following parts.
   C-MOSIC, Transformer
2. Parts marked ※ are subject without notice for adjustment.
3. Parts marked ★ are critical components for **X-RADIATION**.
   When replacing it, be sure to use the specified parts.
4. Parts marked ★ are critical components for **SAFETY STANDARD**.
   When replacing it, be sure to used the specified parts.
5. All parts are subject to change without notice for modification sue to progression of technology.

Manufacturer's Code

ALP	ALPS ELECTRIC CO.,LTD.	JAPAN
ALT	JAPAN ALTERA CORPORATION	JAPAN
AMP	TYCO ELECTRONICS AMP CO.,LTD.	JAPAN
AND	ANALOG DEVICES, INC.	U.S.A
ATB	KOMAMURA CORP.	JAPAN
CNHA	CHUANGHWA PICTURE TUBES. LTD.	CHINA
COS	TOKYO COSMOS ELECTRIC CO.,LTD.	JAPAN
CPL	COPAL ELECTRONICS CO.,LTD.	JAPAN
CSL	COSEL CO.,LTD.	JAPAN
CTZD	CITIZEN ELECTRONICS CO.,LTD	JAPAN
CYP	CYPRESS SEMICONDUCTOR CORPORATION	U.S.A
DON	DONGIL TECHNOLOGY LTD.	KOREA
ELC	KYOCERA ELCO CORPORATION	JAPAN
EMD	EMUDEN MUSEN KOGYO CO.,LTD.	JAPAN
EMK	ELMEC TECHNOLOGY OF AMERICA, INC.	U.S.A
FJE	FUJI ELECTRIC HOLDINGS CO.,LTD.	JAPAN
FJS	FUJISOKU CORPORATION	JAPAN
FRNT	FRONTEK CO.,LTD.	KOREA
GNM	GENUM CORPORATION	CANADA
HIT	HITACHI, LTD.	JAPAN
HOS	HOSHIDEN CORPORATION	JAPAN
HRS	HIROSE ELECTRIC CO.,LTD.	JAPAN
IDX	IDX COMPANY, LTD.	JAPAN
IRS	IRISO ELECTRONICS CO.,LTD.	JAPAN

IZM	IDEC CORPORATION	JAPAN
JAE	JAPAN AVIATION ELECTRONICS INDUSTRY, LTD.	JAPAN
JPC	JPC CO.,LTD.	JAPAN
KIN	KONKO CO.,LTD	JAPAN
KMY	KAMAYA ELECTRIC CO.,LTD.	JAPAN
KND	CANARE ELECTRIC CO.,LTD.	JAPAN
KNGB	KINGBRIGHT CORPORATION	U.S.A
KOA	KOA CORPORATION	JAPAN
LGPH	LG.PHILIPS LCD CO.,LTD.	KOREA
LTC	LATTICE SEMICONDUCTOR CORPORATION	U.S.A
LTN	LINEAR TECHNOLOGY CORPORATION	U.S.A
MAC	MAC-EIGHT CO.,LTD.	JAPAN
MAT	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	JAPAN
MCT	MICROCHIP TECHNOLOGY INC.	U.S.A
MEC	MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD.	JAPAN
MIT	MITSUBISHI ELECTRIC CORPORATION	JAPAN
MITM	MITSUBISHI MATERIALS CORPORATION	JAPAN
MIZ	MIZUTANI ELECTRIC IND.CO.,LTD.	JAPAN
MTDK	MATSUSHITA BATTERY INDUSTRIAL CO.,LTD.	JAPAN
MTM	MITSUMI ELECTRIC CO.,LTD.	JAPAN
MUR	MURATA MANUFACTURING CO.,LTD.	JAPAN
NAT	J.S.T. MFG. CO.,LTD.	JAPAN
NCC	MATSUO ELECTRIC CO.,LTD.	JAPAN
NCH	NIPPON CHEMI-CON CO.,LTD.	JAPAN
NEC	NEC CORPORATION	JAPAN
NIC	NICOON CO.,LTD.	JAPAN
NKM	NIKKOHM CO.,LTD.	JAPAN
NSC	MATIONAL SEMICONDUCTOR CORPORATION	U.S.A
NSD	NISSEI ELECTRIC CO.,LTD.	JAPAN
NTR	NEUTRIK CO.,LTD	LIECHTENSTEIN
OMR	OMRON CORPORATION	JAPAN
PCM	PERICOM SEMICONDUCTORS	U.S.A
PHI	NXP SEMICONDUCTORS	HOLLAND
RNES	RENESAS TECHNOLOGY CORP.	JAPAN
ROM	ROHM CO.,LTD.	JAPAN
RVE	RIVER ELETEC CORPORATION	JAPAN
SAY	SANYO DENKI CO.,LTD.	JAPAN
SEKE	SEIKO EPSON CORPORATION	JAPAN
SIPX	SIPEX CORPORATION	U.S.A
SJRC	NEW JAPAN RADIO CO.,LTD.	JAPAN
SKK	SHIN-ETSU CHEMICAL CO.,LTD.	JAPAN
SKO	SANKOSYA CO.,LTD.	JAPAN
SKR	SAKURA SOHGYO CO.,LTD.	JAPAN
SLC	VISHAY INTERTECHNOLOGY INC.	U.S.A
SMS	STANDARD MICROSYSTEMS CORPORATION	U.S.A
SND	SHINDENGEN ELECTRIC MANUFACTURING CO.,LTD.	JAPAN
SNEC	SHINYEI KAISHA	JAPAN
SNGS	SHINAGAWA SHOKO CO.,LTD.	JAPAN
SON	SONY CORPORATION	JAPAN
SSM	SUSUMU CO.,LTD.	JAPAN
SST	SILICON STRAGE TECHNOLOGY, INC.	U.S.A
STL	STANLEY ELECTRIC CO.,LTD.	JAPAN
STRT	STARTECH, LTD.	JAPAN
SYO	SANYO SEMICONDUCTOR CO.,LTD.	JAPAN
TAM	TAMA ELECTRIC CO.,LTD.	JAPAN
TDK	TDK CORPORATION	JAPAN
TEX	TEXAS INSTRUMENT INCORPORATED	U.S.A
THIN	THINE ELECTRONICS, INC.	JAPAN
TKCK	TOKYO CONE PAPER MANUFACTURE CO.,LTD.	JAPAN
TOKW	TOKIWA & CO.,INC.	JAPAN
TSB	TOSHIBA CORPORATION	JAPAN
TTE	TOHTSU ELECTRONICS CO.,LTD.	JAPAN
TYU	TAIYO YUDEN CO.,LTD.	JAPAN
UTK	UTSUNOMIYA TSUSHIN INDUSTRY CO.,LTD.	JAPAN

MAIN CHASSIS (1517R)

PP-906517

SYMBOL	PARTS CODE	MFD.
< FAN MOTORS >		
B 901	F614T12MB1	CPL
B 901	109139E	SAY
< CABLE ASSEMBLIES >		
CA 901	90C4N64063	UTK
CA 902	90C4N64079	UTK
CA 903	90C4N64052	UTK
CA 904	90C4N64135	SKR
CA 905	90C4N64065	UTK
CA 906	90C4N64134	SKR
CA 907	90C4N64083	UTK
CA 910	90C4N64080	UTK
CA 911	90C4N64081	UTK
CA 912	90C4N64082	UTK
CA 913	90C4N64069	UTK
CA 917	90C4N64084	UTK
CA 921	90C4N64062	UTK
CA 923	90C4N64070	UTK
< CONNECTORS >		
CN 902	DF12S2R5R2405	HRS
CN 902	DF12A1R33	HRS
CN 927	03507801	AMP
CN 927	3506901	AMP
CN 929	3507791	AMP
CN 929	3506891	AMP
< COILS >		
L 902	90ST4N64086	TAM
L 903	90ST4N64087	TAM
< CRT >		
V 901	M36AES83X01L	CNHA

CRT

1-N64048

SYMBOL	PARTS CODE	MFD.
< TUBES >		
V 901	M36AES83X01(L)	CNHA

MOTHER BOARD (1517R/1917R)

PP-906520

SYMBOL	PARTS CODE	MFD.
< CAPACITORS >		
C 1	EKMG500ELL100ME11	NCH
C 2	EKMG500ELL100ME11	NCH
C 3	EKMG250ELL101MF11	NCH
C 4	EKMG500ELL100ME11	NCH
C 5	EKMG500ELL100ME11	NCH
C 6	EKMG250ELL101MF11	NCH
C 7	EKMG500ELL100ME11	NCH
C 8	EKMG500ELL100ME11	NCH
C 9	EKMG250ELL101MF11	NCH
C 10	EKMG500ELL100ME11	NCH
C 11	EKMG500ELL100ME11	NCH
C 12	EKMG250ELL101MF11	NCH
< CONNECTORS >		
CN 1	PCN1350S2R54DSA71	HRS
CN 2	PCN1364S2R54DSA71	HRS
CN 3	PCN1350S2R54DSA71	HRS
CN 4	PCN1350S2R54DSA71	HRS
CN 5	PCN1364S2R54DSA71	HRS
CN 6	PCN1350S2R54DSA71	HRS
CN 7	PCN1364S2R54DSA71	HRS
CN 8	PCN1364S2R54DSA71	HRS
CN 9	PCN1364S2R54DSA71	HRS
CN 10	PCN1316S2R54DSA71	HRS
CN 11	PCN1316S2R54DSA71	HRS
CN 209	HIF3FC40PA2R54DSA-A	HRS
CN 211	DF1BZ20DP2R5DSA	HRS
CN 212	DF1BZ16DP2R5DSA	HRS
CN 230	DF1BZ16DP2R5DSA	HRS
< DIODES >		
D 1	D1N605060	SND
D 2	D1N605060	SND
D 3	D1N605060	SND
D 4	D1N605060	SND
D 5	D1N605060	SND
D 6	D1N605060	SND
D 7	D1N605060	SND
D 8	D1N605060	SND
< INTEGRATED CIRCUITS >		
IC 1	LM1085ITADJNOPB	NSC
IC 1	TC45CCPTO220	SKK
IC 2	LM1085ITADJNOPB	NSC
IC 2	TC45CCPTO220	SKK
IC 3	LM337TNOPB	NSC
IC 3	TC45CCPTO220	SKK
IC 4	LM1085ITADJNOPB	NSC
IC 4	TC45CCPTO220	SKK
< RESISTORS >		
R 1	LF1/8CT1200F	KOA
R 2	LF1/8CT9100F	KOA
R 3	LF1/8CT1200F	KOA
R 4	LF1/8CT2700F	KOA
R 5	LF1/8CT1200F	KOA
R 6	LF1/8CT9100F	KOA
R 7	LF1/8CT1200F	KOA
R 8	LF1/8CT9100F	KOA
< TEST POINTS >		
TP 1	ST21	MAC
TP 2	ST21	MAC
TP 3	ST21	MAC
TP 4	ST21	MAC
TP 5	ST21	MAC

MPU BOARD (COMMON)

PP-906316

SYMBOL	PARTS CODE	MFD.
< TEST POINTS >		
VR 1	GF063UT2B200	COS
VR 2	GF063UT2B200	COS
VR 3	GF063UT2B200	COS
VR 4	GF063UT2B200	COS
< BATTERY >		
BT 201	BR23301HF	MTDK
< CAPACITORS >		
C 101	GRM188B11H103KA01	MUR
C 102	GRM188B11H103KA01	MUR
C 103	GRM188B11H103KA01	MUR
C 104	GRM188B11H103KA01	MUR
C 105	GRM188B11H103KA01	MUR
C 106	GRM188B11H103KA01	MUR
C 107	GRM188B11H103KA01	MUR
C 108	GRM188B11H103KA01	MUR
C 109	GRM188B11H103KA01	MUR
C 110	GRM188B11H103KA01	MUR
C 111	GRM188B11H103KA01	MUR
C 112	GRM188B11H103KA01	MUR
C 113	GRM188B11H103KA01	MUR
C 114	GRM188B11H103KA01	MUR
C 115	EMVL160ADA100MD60	NCH
C 116	EMVL160ADA470MF60	NCH
C 117	GRM188B11E104KA01	MUR
C 118	GRM188B11E104KA01	MUR
C 119	EMVL160ADA100MD60	NCH
C 120	GRM40B105K16PT	MUR
C 121	GRM1882C1H151JA01	MUR
C 122	16SVP100M	SYO
C 123	GRM188B11E104KA01	MUR
C 124	16SVP100M	SYO
C 125	GRM188B11E104KA01	MUR
C 126	16SVP100M	SYO
C 127	GRM188B11E104KA01	MUR
C 128	GRM188B11E104KA01	MUR
C 129	GRM188B11E104KA01	MUR
C 130	GRM188B11E104KA01	MUR
C 131	GRM188B11E104KA01	MUR
C 132	GRM188B11E104KA01	MUR
C 133	GRM188B11E104KA01	MUR
C 134	GRM188B11E104KA01	MUR
C 135	GRM188B11E104KA01	MUR
C 136	GRM188B11E104KA01	MUR
C 137	GRM1882C1H102JA01	MUR
C 201	GRM188B11E104KA01	MUR
C 202	GRM21BB10J106KE01	MUR
C 203	GRM188B11E104KA01	MUR
C 204	GRM188B11E104KA01	MUR
C 205	GRM188B11E104KA01	MUR
C 206	GRM1882C1H150JA01	MUR
C 207	GRM1882C1H150JA01	MUR
C 208	GRM1882C1H101JA01	MUR
C 209	GRM21BB11E474KC01	MUR
C 210	GRM188B11E104KA01	MUR
C 211	EMVL160ADA100MD60	NCH
C 212	EKMG250ETC471MJC5	NCH
C 213	GRM188B11E104KA01	MUR
C 214	GRM188B11E104KA01	MUR
C 215	GRM1882C1H471JA01	MUR
C 216	GRM40B105K16PT	MUR
C 217	※	
C 218	※	
C 219	※	
C 220	GRM188B11E104KA01	MUR
C 221	GRM188B11E104KA01	MUR
C 222	EMVL160ADA100MD60	NCH
C 223	EMVL160ADA100MD60	NCH
C 224	EMVL160ADA100MD60	NCH
C 225	EMVL160ADA100MD60	NCH
C 226	GRM188B11E104KA01	MUR
C 227	EMVL160ADA100MD60	NCH
C 228	GRM188B11E104KA01	MUR
C 229	GRM188B11E104KA01	MUR
C 230	GRM188B11E104KA01	MUR
C 231	GRM188B11E104KA01	MUR
C 232	GRM188B11E104KA01	MUR
C 233	GRM188B11E104KA01	MUR
C 234	GRM188B11E104KA01	MUR
C 235	GRM188B11E104KA01	MUR
C 236	GRM188B11E104KA01	MUR
C 237	GRM188B11E104KA01	MUR
C 238	GRM188B11E104KA01	MUR
C 239	GRM188B11E104KA01	MUR
C 240	RTHE40TKSL100K	MITM
C 241	GRM188B11E104KA01	MUR
C 242	GRM188B11E104KA01	MUR
C 243	GRM188B11E104KA01	MUR
C 244	GRM188B11E104KA01	MUR
C 245	GRM188B11E104KA01	MUR
C 246	GRM188B11E104KA01	MUR
C 247	RTHE40TKSL100K	MITM
C 301	GRM1882C1H102JA01	MUR
C 302	GRM1882C1H101JA01	MUR
C 303	GRM188B11E104KA01	MUR
C 304	267M3502224MR	NCC
C 305	GRM188B11H103KA01	MUR
C 306	GRM188B11E104KA01	MUR
C 307	GRM188B11E104KA01	MUR
C 308	EMVL160ADA100MD60	NCH
C 309	GRM1882C1H220JA01	MUR
C 310	GRM1882C1H220JA01	MUR
C 311	※	
C 312	※	
C 313	GRM1882C1H102JA01	MUR
C 314	GRM188B11E104KA01	MUR
C 315	GRM188B11E104KA01	MUR
C 316	6SVP22M	SYO
C 317	GRM188B11E104KA01	MUR
C 318	GRM188B11E104KA01	MUR
C 319	GRM188B11E104KA01	MUR
C 320	GRM188B11E104KA01	MUR
C 321	GRM188B11E104KA01	MUR
C 322	EMVL160ADA470MF60	NCH
C 323	GRM188B11E104KA01	MUR
C 324	EMVL160ADA470MF60	NCH
C 325	GRM188B11E104KA01	MUR
C 326	GRM188B11E104KA01	MUR
C 327	GRM188B11E104KA01	MUR
C 328	GRM188B11E104KA01	MUR
C 329	※	
C 330	GRM188B11H223KA01	MUR
C 331	GRM188B11H223KA01	MUR
C 332	GRM188B11H223KA01	MUR
C 333	GRM188B11H223KA01	MUR
C 334	GRM188B11H223KA01	MUR
C 335	GRM188B11H223KA01	MUR
C 336	GRM188B11H223KA01	MUR
C 337	GRM188B11H223KA01	MUR
C 338	GRM188B11H223KA01	MUR
C 339	GRM188B11H223KA01	MUR
C 340	GRM188B11H223KA01	MUR
C 341	GRM188B11H223KA01	MUR
C 342	GRM188B11H223KA01	MUR
C 343	GRM188B11E104KA01	MUR
C 344	GRM188B11E104KA01	MUR
C 345	GRM188B11E104KA01	MUR
C 346	GRM188B11H103KA01	MUR
C 347	GRM188B11E104KA01	MUR
C 348	GRM188B11E104KA01	MUR
C 349	GRM188B11E104KA01	MUR
C 350	EMVL160ADA470MF60	NCH
C 351	GRM188B11E104KA01	MUR
C 352	GRM188B11E104KA01	MUR
C 353	GRM188B11E104KA01	MUR
C 354	GRM188B11E104KA01	MUR
C 355	GRM188B11E104KA01	MUR
C 356	GRM188B11E104KA01	MUR
C 357	GRM188B11E104KA01	MUR
C 358	GRM188B11E104KA01	MUR
C 359	GRM188B11E104KA01	MUR
C 360	GRM188B11E104KA01	MUR

SYMBOL	PARTS CODE	MFD.
C 361	GRM188B11E104KA01	MUR
C 362	GRM188B11E104KA01	MUR
C 401	GRM188B11E104KA01	MUR
C 402	GRM188B11E104KA01	MUR
C 403	GRM188B11E104KA01	MUR
C 404	GRM188B11E104KA01	MUR
C 405	6SVP22M	SYO
C 406	GRM188B11E104KA01	MUR
C 407	GRM188B11E104KA01	MUR
C 408	GRM188B11E104KA01	MUR
C 409	GRM188B11E104KA01	MUR
C 410	GRM188B11E104KA01	MUR
C 411	GRM188B11E104KA01	MUR
C 412	※	
C 413	※	
C 414	267E1602336MR720	NCC
C 415	GRM40B105K16PT	MUR
C 416	GRM188B11E104KA01	MUR
C 417	GRM188B11E104KA01	MUR
C 418	GRM188B11E104KA01	MUR
C 419	EMVY160ADA101MF55	NCH
C 420	EMVY160ADA101MF55	NCH
C 421	GRM188B11E104KA01	MUR
C 422	GRM188B11E104KA01	MUR
C 423	GRM188B11E104KA01	MUR
C 424	GRM188B11E104KA01	MUR
C 425	EMVL160ADA470MF60	NCH
C 426	※	
C 427	※	
C 428	267E1602336MR720	NCC
C 429	EMVL160ADA470MF60	NCH
C 430	GRM188B11E104KA01	MUR
C 431	267E1602336MR720	NCC
C 432	GRM1882C1H680JA01	MUR
C 433	※	
C 434	GRM188B11E104KA01	MUR
C 435	GRM188B11E104KA01	MUR
C 436	GRM188B11E104KA01	MUR
C 437	GRM188B11E104KA01	MUR
C 438	GRM188B11E104KA01	MUR
C 439	GRM188B11E104KA01	MUR
C 440	GRM188B11E104KA01	MUR
C 441	GRM188B11E104KA01	MUR
C 442	GRM188B11E104KA01	MUR
C 443	GRM188B11E104KA01	MUR

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CM909	BCJFPLV01	KND
CM909	BN6003	KND
CM910	BCJFPLV01	KND
CM910	BN6003	KND
CN 1	PCN12A50P2R54DS71	HRS
CN 2	PCN12A64P2R54DS71	HRS
CN 25	XM4L1542502	OMR
CN 25	XM4Z0023	OMR
CN 303	PS10PED4T1PN1	JAE

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 101	1SS301TE85RF	TSB
D 102	1SS301TE85RF	TSB
D 103	1SS301TE85RF	TSB
D 104	1SS301TE85RF	TSB
D 105	1SS301TE85RF	TSB
D 106	1SS301TE85RF	TSB
D 107	1SS301TE85RF	TSB
D 108	1SS301TE85RF	TSB
D 109	1SS301TE85RF	TSB
D 110	1SS301TE85RF	TSB
D 111	1SS301TE85RF	TSB
D 112	1SS301TE85RF	TSB
D 113	1SS301TE85RF	TSB
D 114	1SS301TE85RF	TSB
D 115	1SS302TE85RF	TSB
D 116	1SS302TE85RF	TSB
D 117	1SS302TE85RF	TSB
D 118	1SS302TE85RF	TSB
D 119	1SS302TE85RF	TSB
D 120	1SS302TE85RF	TSB
D 121	1SS302TE85RF	TSB
D 122	1SS302TE85RF	TSB
D 123	1SS302TE85RF	TSB
D 124	1SS302TE85RF	TSB
D 125	1SS302TE85RF	TSB
D 126	1SS302TE85RF	TSB
D 127	1SS302TE85RF	TSB
D 128	1SS302TE85RF	TSB
D 129	1SS302TE85RF	TSB
D 130	1SS302TE85RF	TSB
D 131	1SS302TE85RF	TSB
D 132	1SS302TE85RF	TSB
D 133	1SS302TE85RF	TSB
D 134	1SS302TE85RF	TSB
D 135	1SS302TE85RF	TSB
D 136	1SS302TE85RF	TSB
D 137	1SS301TE85RF	TSB
D 138	RD2R0MBT1BA	NEC
D 139	1SS302TE85RF	TSB
D 140	1SS302TE85RF	TSB
D 141	1SS302TE85RF	TSB
D 142	1SS302TE85RF	TSB
D 143	1SS302TE85RF	TSB
D 144	1SS302TE85RF	TSB
D 145	1SS302TE85RF	TSB
D 201	1SS154TE85LF	TSB
D 202	1SS154TE85LF	TSB
D 203	1SS154TE85LF	TSB
D 204	1SS301TE85RF	TSB
D 205	1SS302TE85RF	TSB
D 206	1SS302TE85RF	TSB
D 207	1SS302TE85RF	TSB
D 301	1SS302TE85RF	TSB
D 401	1SS300TE85RF	TSB

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 101	SN74LV541APWR	TEX
IC 102	SN74LV541APWR	TEX
IC 103	SN74LV541APWR	TEX
IC 104	SN74LV541APWR	TEX
IC 105	SN74LV541APWR	TEX
IC 106	SN74LV245APWR	TEX
IC 107	LM311PSETAPL	TEX
IC 108	TC74VHC123AFTEL	TSB
IC 109	SN74LV00APWR	TEX
IC 110	SN74LV00APWR	TEX
IC 201	90ST9032733	SST
IC 201	544LF03231SMO	TOKW
IC 202	UPD43256BGU70LLA	NEC
IC 203	LM311PSETAPL	TEX
IC 204	HD64F2238BFA13V	RNES
IC 205	SN74LV541APWR	TEX
IC 206	MAX232DWR	TEX
IC 207	TC7SU04FUTE85LF	TSB
IC 208	M51957BFPCF1J	MIT
IC 209	M35075001FPU0	MIT
IC 210	TC74HC4053AFTEL	TSB
IC 211	TC74HC4053AFTEL	TSB
IC 212	SN74AHC08PWR	TEX
IC 213	SN74AHC04PWR	TEX
IC 214	SN74LV4040APWR	TEX
IC 215	SN74LV74APWR	TEX
IC 216	SN74LV4040APWR	TEX
IC 217	SN74LV574APWR	TEX
IC 218	SN74LV541APWR	TEX
IC 219	SN74LV4040APWR	TEX
IC 220	SN74LV574APWR	TEX
IC 221	SN74LV541APWR	TEX
IC 222	SN74LV00APWR	TEX
IC 223	SN74AHC32PWR	TEX
IC 224	SN74LV541APWR	TEX
IC 225	SN74LV541APWR	TEX
IC 226	SN74LV138APWR	TEX
IC 227	SN74LV138APWR	TEX
IC 228	SN74LV138APWR	TEX
IC 301	TC74VHC123AFTEL	TSB
IC 302	SN74LV00APWR	TEX
IC 303	TLC2932IPWRG4	TEX
IC 304	SN74LV574APWR	TEX
IC 305	SN74LV00APWR	TEX
IC 306	SN74LV74APWR	TEX
IC 307	TC7SU04FUTE85LF	TSB
IC 308	TC7SU04FUTE85LF	TSB
IC 309	SN74LV00APWR	TEX
IC 310	SN74LV00APWR	TEX
IC 311	90ST903276	ALT
IC 312	SN74LV574APWR	TEX
IC 313	SN74LV574APWR	TEX
IC 314	SN74LV574APWR	TEX
IC 315	AD7533KRZ	AND
IC 316	TL062CPWETAPL	TEX
IC 317	LM4040CIM3X2R5NOP	NSC
IC 318	TC4051BFTELN	TSB
IC 319	TC4051BFTELN	TSB
IC 320	TL062CPWETAPL	TEX
IC 321	TL062CPWETAPL	TEX
IC 322	TL062CPWETAPL	TEX
IC 323	TL062CPWETAPL	TEX
IC 324	TL062CPWETAPL	TEX
IC 325	TL062CPWETAPL	TEX
IC 326	TC4053BFTELN	TSB
IC 327	TC4W53FUTE12LF	TSB
IC 328	TC4051BFTELN	TSB
IC 329	TL062CPWETAPL	TEX
IC 330	TC74HC4053AFTEL	TSB
IC 401	SN74LV574APWR	TEX
IC 402	SN74LV574APWR	TEX
IC 403	SN74LV574APWR	TEX
IC 404	TC74HC688AFF	TSB
IC 405	TC74HC688AFF	TSB
IC 406	SN74LV74APWR	TEX
IC 407	SN74LV00APWR	TEX
IC 408	SN74LV574APWR	TEX
IC 409	90ST903195	SST
IC 409	544LF03231SMO	TOKW
IC 410	90ST903196	SST
IC 410	544LF03231SMO	TOKW
IC 411	SN74HC166NSETAPL	TEX
IC 412	SN74LV00APWR	TEX
IC 413	90ST903277	ALT
IC 414	TC4053BFTELN	TSB
IC 415	CXD1171M	SON
IC 416	LM4040CIM3X2R5NOP	NSC

< COILS >

SYMBOL	PARTS CODE	MFD.
L 101	BLM21A601SPT	MUR
L 102	BLM21A601SPT	MUR
L 103	BLM21A601SPT	MUR
L 104	BLM21A601SPT	MUR
L 105	BLM21A601SPT	MUR
L 106	BLM21A601SPT	MUR
L 107	BLM21A601SPT	MUR
L 108	BLM21A601SPT	MUR
L 109	BLM21A601SPT	MUR
L 110	BLM21A601SPT	MUR
L 111	BLM21A601SPT	MUR
L 112	BLM21A601SPT	MUR
L 113	BLM21A601SPT	MUR
L 114	BLM21A601SPT	MUR
L 115	BLM21A601SPT	MUR
L 116	SLF7045T470MR75PF	TDK
L 117	SLF7045T470MR75PF	TDK
L 118	SLF7045T470MR75PF	TDK

SYMBOL	PARTS CODE	MFD.
L 201	BLM21A601SPT	MUR
L 202	BLM21A601SPT	MUR
L 203	BLM21A601SPT	MUR
L 301	BLM21A601SPT	MUR
L 302	BLM21A601SPT	MUR
L 401	BLM21A601SPT	MUR
L 402	BLM21A601SPT	MUR
L 403	BLM21A601SPT	MUR
L 404	BLM21A601SPT	MUR

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 1	RGC1/16C332DTP	KMY
R 2	RGC1/16C332DTP	KMY
R 3	RGC1/16C332DTP	KMY
R 4	RGC1/16C332DTP	KMY
R 5	RGC1/16C332DTP	KMY
R 6	RGC1/16C332DTP	KMY
R 7	RGC1/16C332DTP	KMY
R 8	RGC1/16C332DTP	KMY
R 9	RGC1/16C332DTP	KMY
R 10	RGC1/16C332DTP	KMY
R 11	RGC1/16C332DTP	KMY
R 12	RGC1/16C332DTP	KMY
R 13	RGC1/16C332DTP	KMY
R 14	RGC1/16C332DTP	KMY
R 15	RMC1/16104FTP	KMY
R 16	RMC1/16104FTP	KMY
R 17	RMC1/16104FTP	KMY
R 18	RMC1/16104FTP	KMY
R 19	RMC1/16104FTP	KMY
R 20	RMC1/16104FTP	KMY
R 21	RMC1/16104FTP	KMY
R 22	RMC1/16104FTP	KMY
R 23	RMC1/16104FTP	KMY
R 24	RMC1/16104FTP	KMY
R 25	RMC1/16104FTP	KMY
R 26	RMC1/16104FTP	KMY
R 27	RMC1/16104FTP	KMY
R 28	RMC1/16104FTP	KMY
R 29	RGC1/16C101DTP	KMY
R 30	RGC1/16C101DTP	KMY
R 31	RGC1/16C101DTP	KMY
R 32	RGC1/16C101DTP	KMY
R 33	RGC1/16C101DTP	KMY
R 34	RGC1/16C101DTP	KMY
R 35	RGC1/16C101DTP	KMY
R 36	RGC1/16C101DTP	KMY
R 37	RGC1/16C101DTP	KMY
R 38	RGC1/16C101DTP	KMY
R 39	RGC1/16C101DTP	KMY
R 40	RGC1/16C101DTP	KMY
R 41	RGC1/16C101DTP	KMY
R 42	RGC1/16C101DTP	KMY
R 43	RGC1/16C101DTP	KMY
R 44	RMC1/16104FTP	KMY
R 45	RMC1/16104FTP	KMY
R 46	RMC1/16104FTP	KMY
R 47	RMC1/16104FTP	KMY
R 48	RMC1/16104FTP	KMY
R 49	RMC1/16104FTP	KMY
R 50	RMC1/16104FTP	KMY
R 51	RMC1/16104FTP	KMY
R 52	RMC1/16104FTP	KMY
R 53	RMC1/16104FTP	KMY
R 54	RMC1/16104FTP	KMY
R 55	RMC1/16104FTP	KMY
R 56	RMC1/16104FTP	KMY
R 57	RMC1/16104FTP	KMY
R 58	RMC1/16104FTP	KMY
R 59	RMC1/16104FTP	KMY
R 60	RGC1/16C101DTP	KMY
R 61	RGC1/16C101DTP	KMY
R 62	RGC1/16C101DTP	KMY
R 63	RGC1/16C101DTP	KMY
R 64	RGC1/16C101DTP	KMY
R 65	RGC1/16C101DTP	KMY
R 66	RGC1/16C101DTP	KMY
R 67	※	
R 68	RMC1/16104FTP	KMY
R 69	RMC1/16104FTP	KMY
R 70	RMC1/16104FTP	KMY
R 71	RMC1/16104FTP	KMY
R 72	RMC1/16104FTP	KMY
R 73	RMC1/16104FTP	KMY
R 74	RMC1/16104FTP	KMY
R 75	RMC1/16104FTP	KMY
R 76	RGC1/16C101DTP	KMY
R 77	RGC1/16C101DTP	KMY
R 78	RGC1/16C101DTP	KMY
R 79	RGC1/16C101DTP	KMY
R 80	RGC1/16C101DTP	KMY
R 81	RGC1/16C101DTP	KMY
R 82	RGC1/16C101DTP	KMY
R 83	RGC1/16C101DTP	KMY
R 84	RMC1/16104FTP	KMY
R 85	RMC1/16104FTP	KMY
R 86	RMC1/16104FTP	KMY
R 87	RMC1/16104FTP	KMY
R 88	RMC1/16104FTP	KMY
R 89	RMC1/16104FTP	KMY
R 90	RMC1/16104FTP	KMY
R 91	RMC1/16104FTP	KMY
R 92	RMC1/16JPTP	KMY
R 93	RMC1/16JPTP	KMY
R 94	RGC1/16C473DTP	KMY
R 95	RMC1/16224FTP	KMY
R 96	RGC1/16C472DTP	KMY
R 97	RMC1/16224FTP	KMY
R 98	RGC1/16C103DTP	KMY
R 99	RGC1/16C103DTP	KMY
R 100	RMC1/16474FTP	KMY
R 101	RGC1/16C101DTP	KMY
R 102	RGC1/16C103DTP	KMY
R 103	RGC1/16C101DTP	KMY
R 104	RGC1/16C101DTP	KMY
R 105	RMC1/16104FTP	KMY
R 106	RGC1/16C101DTP	KMY
R 107	RMC1/16104FTP	KMY
R 108	RGC1/16C102DTP	KMY
R 109	RMC1/16104FTP	KMY
R 110	RGC1/16C102DTP	KMY
R 111	RGC1/16C103DTP	KMY
R 112	RGC1/16C102DTP	KMY
R 113	RGC1/16C103DTP	KMY
R 114	※	
R 115	RGC1/16C103DTP	KMY
R 116	RGC1/16C103DTP	KMY
R 117	RMC1/16JPTP	KMY
R 118	RMC1/16JPTP	KMY
R 119	RMC1/16JPTP	KMY
R 120	RMC1/16JPTP	KMY
R 201	RMC1/16JPTP	KMY
R 202	RGC1/16C152DTP	KMY
R 203	RGC1/16C103DTP	KMY
R 204	RGC1/16C123DTP	KMY
R 205	RGC1/16C123DTP	KMY
R 206	RGC1/16C223DTP	KMY
R 207	RGC1/16C103DTP	KMY
R 208	RGC1/16C333DTP	KMY
R 209	RGC1/16C223DTP	KMY
R 210	RGC1/16C472DTP	KMY
R 211	RGC1/16C333DTP	KMY
R 212	RGC1/16C333DTP	KMY
R 213	RGC1/16C333DTP	KMY
R 214	RGC1/16C333DTP	KMY
R 215	RGC1/16C333DTP	KMY
R 216	RGC1/16C333DTP	KMY
R 217	RGC1/16C333DTP	KMY
R 218	RGC1/16C333DTP	KMY
R 219	RGC1/16C333DTP	KMY
R 220	RGC1/16C333DTP	KMY
R 221	RGC1/16C333DTP	KMY
R 222	RGC1/16C333DTP	KMY
R 223	RGC1/16C333DTP	KMY
R 224	RGC1/16C222DTP	KMY
R 225	RGC1/16C222DTP	KMY
R 226	RGC1/16C101DTP	KMY
R 227	RGC1/16C101DTP	KMY
R 228	※	
R 229	RGC1/16C333DTP	KMY
R 230	RMC1/16JPTP	KMY
R 231	RGC1/16C103DTP	KMY
R 232	RGC1/16C103DTP	KMY
R 233	RGC1/16C333DTP	KMY
R 234	RGC1/16C333DTP	KMY
R 235	RMC1/16JPTP	KMY
R 236	RMC1/16JPTP	KMY
R 237	RGC1/16C222DTP	KMY
R 238	RMC1/16104FTP	KMY
R 239	RGC1/16C393DTP	KMY
R 240	RMC1/16JPTP	KMY
R 241	RMC1/16104FTP	KMY
R 242	RMC1/16104FTP	KMY
R 243	RMC1/16104FTP	KMY
R 244	RMC1/16104FTP	KMY
R 245	RMC1/16104FTP	KMY
R 246	RMC1/16104FTP	KMY
R 247	RMC1/16104FTP	KMY
R 248	RMC1/16104FTP	KMY
R 249	RMC1/16104FTP	KMY
R 250	RMC1/16104FTP	KMY
R 251	RGC1/16C101DTP	KMY
R 252	RGC1/16C101DTP	KMY
R 253	RGC1/16C101DTP	KMY
R 254	RGC1/16C102DTP	KMY
R 255	RMC1/16JPTP	KMY
R 256	RGC1/16C822DTP	KMY
R 258	RGC1/16C101DTP	KMY
R 259	RGC1/16C101DTP	KMY
R 260	RGC1/16C101DTP	KMY
R 261	RGC1/16C392DTP	KMY
R 262	RGC1/16C392DTP	KMY
R 263	RGC1/16C392DTP	KMY
R 264	RGC1/16C103DTP	KMY
R 265	RGC1/16C103DTP	KMY
R 266	RGC1/16C103DTP	KMY
R 267	RGC1/16C471DTP	KMY
R 268	RGC1/16C471DTP	KMY
R 269	RGC1/16C471DTP	KMY
R 270	RGC1/16C103DTP	KMY
R 271	RGC1/16C101DTP	KMY
R 272	RGC1/16C101DTP	KMY
R 273	RGC1/16K220DTP	KMY
R 274	※	
R 275	RMC1/16JPTP	KMY
R 276	※	
R 277	RMC1/16JPTP	KMY
R 278	RMC1/16JPTP	KMY
R 279	RGC1/16C101DTP	KMY
R 280	RGC1/16C101DTP	KMY
R 281	RGC1/16C101DTP	KMY
R 282	RGC1/16C101DTP	KMY
R 283	RGC1/16C101DTP	KMY
R 284	RGC1/16C101DTP	KMY
R 285	RGC1/16C101DTP	KMY
R 286	RGC1/16C101DTP	KMY
R 287	※	
R 288	※	
R 289	※	
R 290	※	
R 291	RGC1/16C101DTP	KMY
R 292	RGC1/16C101DTP	KMY
R 293	RGC1/16C101DTP	KMY
R 294	RGC1/16C101DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 295	※	
R 296	※	
R 301	RMC1/16154FTP	KMY
R 302	RGC1/16C183DTP	KMY
R 303	RGC1/16C101DTP	KMY
R 304	RMC1/16JPTP	KMY
R 305	RGC1/16C272DTP	KMY
R 306	RGC1/16C152DTP	KMY
R 307	※	
R 308	RGC1/16C152DTP	KMY
R 309	※	
R 310	RMC1/16105FTP	KMY
R 311	※	
R 312	RMC1/16JPTP	KMY
R 313	RMC1/16104FTP	KMY
R 314	RGC1/16C101DTP	KMY
R 315	RGC1/16K100DTP	KMY
R 316	RGC1/16C332DTP	KMY
R 317	RGC1/16C332DTP	KMY
R 318	RGC1/16C333DTP	KMY
R 319	RGC1/16C333DTP	KMY
R 320	RGC1/16C333DTP	KMY
R 321	RGC1/16C333DTP	KMY
R 322	RGC1/16C333DTP	KMY
R 323	RGC1/16C333DTP	KMY
R 324	RGC1/16C103DTP	KMY
R 325	RGC1/16C333DTP	KMY
R 326	RGC1/16C103DTP	KMY
R 327	RGC1/16C122DTP	KMY
R 328	RGC1/16C101DTP	KMY
R 329	RGC1/16C332DTP	KMY
R 330	RGC1/16C102DTP	KMY
R 331	RGC1/16C472DTP	KMY
R 332	RGC1/16C103DTP	KMY
R 333	RGC1/16C103DTP	KMY
R 334	RGC1/16C103DTP	KMY
R 335	RGC1/16C103DTP	KMY
R 336	RGC1/16C103DTP	KMY
R 342	RGC1/16C101DTP	KMY
R 343	RGC1/16C101DTP	KMY
R 344	RGC1/16C101DTP	KMY
R 345	RGC1/16C101DTP	KMY
R 346	RGC1/16C101DTP	KMY
R 347	RGC1/16C101DTP	KMY
R 348	RGC1/16C101DTP	KMY
R 349	RGC1/16C101DTP	KMY
R 350	RGC1/16C101DTP	KMY
R 351	RGC1/16C101DTP	KMY
R 352	RGC1/16C101DTP	KMY
R 353	RGC1/16C101DTP	KMY
R 354	RGC1/16C101DTP	KMY
R 355	RGC1/16C101DTP	KMY
R 356	RGC1/16C101DTP	KMY
R 357	RGC1/16C151DTP	KMY
R 358	RGC1/16C102DTP	KMY
R 359	RGC1/16C102DTP	KMY
R 360	RGC1/16C103DTP	KMY
R 361	RGC1/16C101DTP	KMY
R 362	RGC1/16C332DTP	KMY
R 363	RMC1/16JPTP	KMY
R 364	RGC1/16C222DTP	KMY
R 365	RMC1/16104FTP	KMY
R 366	RGC1/16C472DTP	KMY
R 367	RGC1/16C472DTP	KMY
R 368	RGC1/16C101DTP	KMY
R 369	RGC1/16C472DTP	KMY
R 370	RGC1/16C153DTP	KMY
R 371	RGC1/16C153DTP	KMY
R 372	RGC1/16C153DTP	KMY
R 373	RGC1/16C101DTP	KMY
R 374	RGC1/16C103DTP	KMY
R 375	RMC1/16JPTP	KMY
R 401	RGC1/16C103DTP	KMY
R 402	RGC1/16C103DTP	KMY
R 403	RGC1/16C471DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 404	RMC1/16JPTP	KMY
R 405	※	
R 406	RMC1/16JPTP	KMY
R 407	※	
R 408	RMC1/16JPTP	KMY
R 409	※	
R 410	RMC1/16JPTP	KMY
R 411	※	
R 412	RGC1/16C101DTP	KMY
R 413	RGC1/16C101DTP	KMY
R 414	RGC1/16C101DTP	KMY
R 415	※	
R 416	RGC1/16C182DTP	KMY
R 417	RGC1/16C182DTP	KMY
R 418	RGC1/16C472DTP	KMY
R 419	RGC1/16C472DTP	KMY
R 420	RGC1/16C102DTP	KMY
R 421	RGC1/16C102DTP	KMY
R 422	RGC1/16C101DTP	KMY
R 423	RGC1/16C473DTP	KMY
R 424	RGC1/16C123DTP	KMY
R 425	RGC1/16C393DTP	KMY
R 426	RGC1/16C472DTP	KMY
R 427	RGC1/16C103DTP	KMY
R 428	RMC1/16JPTP	KMY
R 429	RGC1/16C101DTP	KMY
R 430	RGC1/16C683DTP	KMY
R 431	RGC1/16C103DTP	KMY
R 432	RGC1/16C101DTP	KMY
R 433	RGC1/16C472DTP	KMY
R 434	RMC1/16154FTP	KMY
R 435	RGC1/16C103DTP	KMY
R 436	RMC1/16104FTP	KMY
R 437	RGC1/16C101DTP	KMY
R 438	RGC1/16C101DTP	KMY
R 439	RGC1/16C101DTP	KMY
R 440	RGC1/16C101DTP	KMY
R 441	RGC1/16C101DTP	KMY
R 442	RGC1/16C101DTP	KMY
R 443	RGC1/16C101DTP	KMY
R 444	RGC1/16C101DTP	KMY
R 445	RGC1/16C101DTP	KMY
R 446	RGC1/16C101DTP	KMY
R 447	RGC1/16C101DTP	KMY
R 448	RGC1/16C103DTP	KMY
R 449	RGC1/16C332DTP	KMY
R 450	RGC1/16C102DTP	KMY
R 451	RGC1/16C393DTP	KMY
R 452	RGC1/16C472DTP	KMY
R 453	RGC1/16C101DTP	KMY
R 454	※	
R 455	RGC1/16C471DTP	KMY
R 456	RGC1/16C472DTP	KMY
R 457	RGC1/16C472DTP	KMY
R 458	RGC1/16C102DTP	KMY
R 459	RGC1/16C102DTP	KMY
R 460	RGC1/16C101DTP	KMY
R 461	RGC1/16C473DTP	KMY
R 462	RGC1/16C563DTP	KMY
R 463	RGC1/16C472DTP	KMY
R 464	RGC1/16C332DTP	KMY
R 465	RGC1/16C332DTP	KMY
R 466	RGC1/16C103DTP	KMY
R 467	RGC1/16C472DTP	KMY
R 468	RGC1/16C473DTP	KMY
R 469	RGC1/16C473DTP	KMY
R 470	RGC1/16C101DTP	KMY
R 471	RGC1/16C332DTP	KMY
R 472	RGC1/16C472DTP	KMY
R 473	RGC1/16C332DTP	KMY
R 474	※	
R 475	RGC1/16C471DTP	KMY
R 476	RGC1/16C472DTP	KMY
R 477	RGC1/16C101DTP	KMY
R 478	RMC1/16104FTP	KMY

SYMBOL	PARTS CODE	MFD.
R 479	RMC1/16JPTP	KMY
< SWITCHES >		
S 201	CHS08TB2	CPL
S 202	CS422YTB	CPL
SYMBOL		PARTS
CODE MFD.		
< TEST POINTS >		
TP 101	EYF6CU	MAT
TP 201	EYF6CU	MAT
TP 202	EYF6CU	MAT
TP 203	EYF6CU	MAT
TP 204	EYF6CU	MAT
TP 205	EYF6CU	MAT
TP 301	EYF6CU	MAT
TP 302	EYF6CU	MAT
TP 303	EYF6CU	MAT
TP 304	EYF6CU	MAT
TP 401	EYF6CU	MAT
TP 402	EYF6CU	MAT
TP 403	EYF6CU	MAT
< TRANSISTORS >		
TR 101	2SC3735T1BAB35	NEC
TR 201	2SC3735T1BAB35	NEC
TR 202	2SA1461Y24T1BA	NEC
TR 203	2SA1461Y24T1BA	NEC
TR 204	2SA1461Y24T1BA	NEC
TR 301	XN1212TX	MEC
TR 302	XN1212TX	MEC
TR 303	XN1212TX	MEC
TR 304	XN1212TX	MEC
TR 305	XN1212TX	MEC
TR 306	XN1212TX	MEC
TR 307	XN1212TX	MEC
TR 310	2SA1461Y24T1BA	NEC
TR 311	2SC3735T1BAB35	NEC
TR 401	2SC3735T1BAB35	NEC
TR 402	XN6501TX	MEC
TR 403	2SC3734T1BAB24	NEC
TR 404	UNR221100L	MEC
TR 405	2SC3735T1BAB35	NEC
TR 406	2SA1461Y24T1BA	NEC
TR 407	2SC3734T1BAB24	NEC
TR 408	UNR211100L	MEC
TR 409	2SC3734T1BAB24	NEC
TR 410	UNR221100L	MEC
TR 411	XN6501TX	MEC
TR 412	2SC3734T1BAB24	NEC
TR 413	UNR221100L	MEC
TR 414	2SC3734T1BAB24	NEC
TR 415	XN6501TX	MEC
< VARIABLE CAPACITORS >		
VC 301	※	
VC 302	※	
< VARIABLE RESISTORS >		
VR 201	ST4ETB202	CPL
VR 301	ST4ETB102	CPL
VR 302	ST4ETB102	CPL
VR 303	ST4ETB102	CPL
VR 304	※	
VR 401	ST4ETB202	CPL
VR 402	ST4ETB102	CPL
VR 403	ST4ETB102	CPL
< CRYSTALS >		

VIDEO PROCESS BOARD (1517R/1917R)

PP-906522

SYMBOL	PARTS CODE	MFD.
X 201	FCX0210M	RVE
X 301	FCX0327R000M	RVE
X 302	※	
< SHIELD HARNESS >		
- 1	90C4N64138	UTK
< CAPASITORS >		
C 1	EKMG100ELL102MJC5	NCH
C 2	GRM188B11E104KA01	MUR
C 3	EMVK250ADA101MHA0	NCH
C 4	GRM188B11E104KA01	MUR
C 5	EMVK250ADA101MHA0	NCH
C 6	GRM188B11E104KA01	MUR
C 11	GRM1882C1H150JA01	MUR
C 12	BKME160ELL100ME11	NCH
C 13	GRM1882C1H7R0DZ01	MUR
C 14	EMVL160ADA100MD60	NCH
C 15	GRM188B11E104KA01	MUR
C 16	GRM188B11E104KA01	MUR
C 21	GRM1882C1H100JA01	MUR
C 31	GRM1882C1H150JA01	MUR
C 32	BKME160ELL100ME11	NCH
C 33	GRM1882C1H7R0DZ01	MUR
C 34	EMVL160ADA100MD60	NCH
C 35	GRM188B11E104KA01	MUR
C 36	GRM188B11E104KA01	MUR
C 41	GRM1882C1H100JA01	MUR
C 51	GRM1882C1H150JA01	MUR
C 52	BKME160ELL100ME11	NCH
C 53	GRM1882C1H7R0DZ01	MUR
C 54	EMVL160ADA100MD60	NCH
C 55	GRM188B11E104KA01	MUR
C 56	GRM188B11E104KA01	MUR
C 61	GRM1882C1H100JA01	MUR
C 71	BKME160ELL100ME11	NCH
C 72	※	
C 73	EMVL160ADA100MD60	NCH
C 74	GRM188B11E104KA01	MUR
C 75	GRM188B11E104KA01	MUR
C 76	GRM1882C1H470JA01	MUR
C 101	EMVK250ADA101MHA0	NCH
C 104	GRM188B11E104KA01	MUR
C 105	EMVK250ADA101MHA0	NCH
C 106	GRM188B11E104KA01	MUR
C 107	EMVK250ADA101MHA0	NCH
C 108	GRM188B11E104KA01	MUR
C 109	GRM188B11E104KA01	MUR
C 110	GRM1884C1H2R0CZ01	MUR
C 111	GRM1884C1H2R0CZ01	MUR
C 112	EMVL160ADA100MD60	NCH
C 113	EMVL160ADA100MD60	NCH
C 115	EMVL160ADA100MD60	NCH
C 116	EMVL160ADA100MD60	NCH
C 117	GRM188B11E104KA01	MUR
C 118	EMVK250ADA101MHA0	NCH
C 119	GRM188B11E104KA01	MUR
C 120	EMVK250ADA101MHA0	NCH
C 121	EMVK250ADA101MHA0	NCH
C 122	GRM188B11E104KA01	MUR
C 123	EMVK250ADA101MHA0	NCH
C 124	GRM188B11E104KA01	MUR
C 125	EMVL160ADA470MF60	NCH
C 126	GRM1882C1H150JA01	MUR
C 127	267M2002225MR	NCC
C 128	267M2002225MR	NCC
C 129	GRM188B11H103KA01	MUR
C 130	GRM188B11H103KA01	MUR
C 131	GRM188B11E104KA01	MUR
C 132	EMVL160ADA100MD60	NCH
C 133	EMVL160ADA100MD60	NCH
C 134	GRM1882C1H101JA01	MUR
C 135	GRM1882C1H120JA01	MUR
C 136	GRM1882C1H390JA01	MUR
C 137	GRM1882C1H5R0CZ01	MUR
C 151	EMVL160ADA100MD60	NCH
C 152	※	
C 153	GRM1884C1H2R0CZ01	MUR
C 201	BKME500ELL1R0ME11	NCH
C 202	GRM188B11E104KA01	MUR
C 203	※	
C 301	GRM188B11E104KA01	MUR
C 304	GRM188B11E104KA01	MUR
C 305	EMVK250ADA101MHA0	NCH
C 306	GRM188B11E104KA01	MUR
C 307	EMVK250ADA101MHA0	NCH
C 308	GRM188B11E104KA01	MUR
C 309	GRM188B11E104KA01	MUR
C 310	GRM1882C1H7R0DZ01	MUR
C 311	※	
C 312	EMVL160ADA100MD60	NCH
C 313	EMVL160ADA100MD60	NCH
C 315	EMVL160ADA100MD60	NCH
C 316	EMVL160ADA100MD60	NCH
C 317	GRM188B11E104KA01	MUR
C 318	EMVK250ADA101MHA0	NCH
C 319	GRM188B11E104KA01	MUR
C 320	EMVK250ADA101MHA0	NCH
C 321	EMVK250ADA101MHA0	NCH
C 322	GRM188B11E104KA01	MUR
C 323	EMVK250ADA101MHA0	NCH
C 324	GRM188B11E104KA01	MUR
C 325	EMVL160ADA470MF60	NCH
C 326	GRM1882C1H150JA01	MUR
C 327	267M2002225MR	NCC
C 328	267M2002225MR	NCC
C 329	GRM188B11H103KA01	MUR
C 330	GRM188B11H103KA01	MUR
C 331	GRM188B11E104KA01	MUR
C 332	EMVL160ADA100MD60	NCH
C 333	EMVL160ADA100MD60	NCH
C 334	GRM1882C1H101JA01	MUR
C 351	EMVL160ADA100MD60	NCH
C 352	※	
C 401	BKME500ELL1R0ME11	NCH
C 402	GRM188B11E104KA01	MUR
C 403	※	
C 501	EMVK250ADA101MHA0	NCH
C 504	GRM188B11E104KA01	MUR
C 505	EMVK250ADA101MHA0	NCH
C 506	GRM188B11E104KA01	MUR
C 507	EMVK250ADA101MHA0	NCH
C 508	GRM188B11E104KA01	MUR
C 509	GRM188B11E104KA01	MUR
C 510	GRM1884C1H2R0CZ01	MUR
C 511	GRM1884C1H2R0CZ01	MUR
C 512	EMVL160ADA100MD60	NCH
C 513	EMVL160ADA100MD60	NCH
C 515	EMVL160ADA100MD60	NCH
C 516	EMVL160ADA100MD60	NCH
C 517	GRM188B11E104KA01	MUR
C 518	EMVK250ADA101MHA0	NCH
C 519	GRM188B11E104KA01	MUR
C 520	EMVK250ADA101MHA0	NCH
C 521	EMVK250ADA101MHA0	NCH
C 522	GRM188B11E104KA01	MUR
C 523	EMVK250ADA101MHA0	NCH
C 524	GRM188B11E104KA01	MUR
C 525	EMVL160ADA470MF60	NCH
C 526	GRM1882C1H150JA01	MUR
C 527	267M2002225MR	NCC
C 528	267M2002225MR	NCC
C 529	GRM188B11H103KA01	MUR
C 530	GRM188B11H103KA01	MUR
C 531	GRM188B11E104KA01	MUR
C 532	EMVL160ADA100MD60	NCH
C 533	EMVL160ADA100MD60	NCH
C 534	GRM1882C1H101JA01	MUR
C 551	EMVL160ADA100MD60	NCH
C 552	※	
C 553	GRM1884C1H2R0CZ01	MUR
C 554	GRM1882C1H120JA01	MUR

SYMBOL	PARTS CODE	MFD.
C 555	GRM1882C1H390JA01	MUR
C 556	GRM1882C1H5R0CZ01	MUR
C 601	BKME500ELL1R0ME11	NCH
C 602	GRM188B11E104KA01	MUR
C 603	※	
C 701	GRM188B11E104KA01	MUR
C 702	EMVK250ADA101MHA0	NCH
C 703	GRM188B11E104KA01	MUR
C 704	EMVK250ADA101MHA0	NCH
C 705	GRM188B11E104KA01	MUR
C 706	EKMG250ELL471MJC5	NCH
C 707	GRM188B11E104KA01	MUR
C 708	EMVK250ADA101MHA0	NCH
C 709	267M3502224MR	NCC
C 710	267M3502224MR	NCC
C 711	267M3502224MR	NCC
C 712	GRM188B11H103KA01	MUR
C 713	GRM188B11H103KA01	MUR
C 714	GRM188B11E104KA01	MUR
C 715	GRM188B11E104KA01	MUR
C 716	GRM188B11E104KA01	MUR
C 717	267M3502224MR	NCC
C 718	267M3502224MR	NCC
C 719	267M3502224MR	NCC
C 720	GRM188B11E104KA01	MUR
C 721	GRM188B11E104KA01	MUR
C 722	※	
C 723	GRM188B11E104KA01	MUR
C 724	GRM188B11E104KA01	MUR
C 725	GRM188B11E104KA01	MUR
C 726	GRM188B11E104KA01	MUR
C 727	GRM188B11E104KA01	MUR
C 728	GRM188B11E104KA01	MUR
C 729	GRM188B11E104KA01	MUR
C 730	GRM188B11E104KA01	MUR
C 731	GRM188B11E104KA01	MUR
C 732	※	
C 733	GRM188B11E104KA01	MUR
C 734	GRM188B11E104KA01	MUR
C 735	GRM188B11E104KA01	MUR
C 736	GRM188B11E104KA01	MUR
C 737	GRM188B11E104KA01	MUR
C 738	GRM188B11E104KA01	MUR
C 739	GRM188B11E104KA01	MUR
C 740	GRM188B11E104KA01	MUR
C 741	GRM188B11E104KA01	MUR
C 742	GRM188B11E104KA01	MUR
C 743	GRM188B11E104KA01	MUR
C 744	267M3502224MR	NCC
C 745	GRM188B11E104KA01	MUR
C 746	※	
C 747	GRM1882C1H5R0CZ01	MUR
C 748	EKMG250ELL471MJC5	NCH
C 749	GRM188B11E104KA01	MUR
C 750	GRM188B11E104KA01	MUR
C 751	EMVL6R3ADA470ME60G	NCH
C 752	GRM188B11E104KA01	MUR
C 902	GRM188B11E104KA01	MUR
C 903	GRM188B11E104KA01	MUR
C 904	GRM188B11E104KA01	MUR
C 905	EMVL160ADA100MD60	NCH
C 906	GRM1882C1H560JA01	MUR
C 907	GRM1882C1H470JA01	MUR
C 908	GRM188B11E104KA01	MUR
C 911	GRM1882C1H101JA01	MUR
C 912	GRM188B11E104KA01	MUR
C 913	GRM188B11E104KA01	MUR
C 914	GRM188B11E104KA01	MUR
C 916	GRM188B11E104KA01	MUR
C 917	GRM188B11E104KA01	MUR
C 918	GRM188B11E104KA01	MUR
C 919	GRM188B11E104KA01	MUR
C 920	GRM188B11E104KA01	MUR
C 923	GRM188B11E104KA01	MUR
C 924	GRM188B11E104KA01	MUR
C 925	GRM188B11E104KA01	MUR
C 926	GRM188B11E104KA01	MUR
C 927	GRM188B11E104KA01	MUR
C 928	GRM188B11E104KA01	MUR
C 929	GRM188B11E104KA01	MUR
C 930	GRM188B11E104KA01	MUR
C 931	GRM188B11E104KA01	MUR
C 932	EMVY160ADA471MHA0G	NCH
C 933	GRM188B11E104KA01	MUR
C 934	GRM188B11E104KA01	MUR
C 935	267M3502224MR	NCC
C 936	GRM188B11H103KA01	MUR
C 937	267M1602105MR	NCC
C 938	EMVL160ADA100MD60	NCH
C 939	GRM188B11E104KA01	MUR
C 940	267M1602105MR	NCC
C 941	267M1602105MR	NCC
C 942	EMVL160ADA470MF60	NCH
C 943	GRM188B11E104KA01	MUR
C 944	EMVL160ADA470MF60	NCH
C 945	GRM188B11E104KA01	MUR
C 946	GRM188B11E104KA01	MUR
C 947	GRM188B11E104KA01	MUR
C 948	GRM1882C1H101JA01	MUR
C 949	EMVL160ADA100MD60	NCH
C 951	GRM188B11E104KA01	MUR
C 952	GRM188B11E104KA01	MUR
C 953	GRM188B11E104KA01	MUR
C 954	EMVL160ADA100MD60	NCH
C 955	GRM188B11E104KA01	MUR
C 956	※	
C 957	※	
C 958	※	
C 959	※	
C 960	GRM188B11E104KA01	MUR
C 961	267M3502224MR	NCC
C 962	GRM188B11H103KA01	MUR
C 963	※	
C 964	※	
C 965	267M1602105MR	NCC
C 966	※	
C 967	GRM188B11E104KA01	MUR
C 968	EMVL160ADA100MD60	NCH
C 969	GRM188B11E104KA01	MUR
C 970	※	
C 971	GRM1882C1H100JA01	MUR
C 972	GRM188B11H103KA01	MUR
C 973	GRM188B11H223KA01	MUR
C 974	GRM1882C1H102JA01	MUR
C 975	267M3502224MR	NCC
C 976	EMVY160ADA101MF55	NCH
C 977	EMVY160ADA471MHA0G	NCH
C 978	GRM188B11E104KA01	MUR
C 979	GRM188B11E104KA01	MUR
C 980	GRM188B11E104KA01	MUR
C 981	GRM188B11E104KA01	MUR
C 982	GRM188B11E104KA01	MUR
C 983	GRM188B11E104KA01	MUR
C 984	GRM188B11E104KA01	MUR
C 985	GRM188B11E104KA01	MUR
C 986	GRM188B11E104KA01	MUR

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CM901	BCJFPLV01	KND
CM901	BN6003	KND
CM902	BCJFPLV01	KND
CM902	BN6003	KND
CM903	BCJFPLV01	KND
CM903	BN6003	KND
CM904	BCJFPLV01	KND
CM904	BN6003	KND
CM905	BCJFPLV01	KND
CM905	BN6003	KND
CM906	BCJFPLV01	KND
CM906	BN6003	KND
CM907	BCJFPLV01	KND
CM907	BN6003	KND
CM908	BCJFPLV01	KND
CM908	BN6003	KND
CN 9	PCN12A64P2R54DS71	HRS
CN 210	HIF3FC20PA2R54DSA-A	HRS
CN 310	LY206PDT1P1E	JAE

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 101	1SS181TE85LF	TSB
D 102	RD6R8MB2T1BA	NEC
D 104	1SS181TE85LF	TSB
D 105	HZM3R0NB1TLE	RNES
D 106	1SS181TE85LF	TSB
D 301	RD6R8MB2T1BA	NEC
D 302	1SS181TE85LF	TSB
D 303	RD6R8MB2T1BA	NEC
D 305	1SS181TE85LF	TSB
D 306	HZM3R0NB1TLE	RNES
D 307	1SS181TE85LF	TSB
D 501	1SS181TE85LF	TSB
D 502	RD6R8MB2T1BA	NEC
D 504	1SS181TE85LF	TSB
D 505	HZM3R0NB1TLE	RNES
D 506	1SS181TE85LF	TSB
D 701	1SS181TE85LF	TSB
D 702	1SS181TE85LF	TSB
D 703	1SS181TE85LF	TSB
D 704	RD5R1MBT1BA	NEC
D 901	1SS181TE85LF	TSB
D 902	1SS181TE85LF	TSB
D 903	1SS123A7T1BA	NEC
D 904	1SS123A7T1BA	NEC
D 905	1SS123A7T1BA	NEC
D 908	1SS123A7T1BA	NEC
D 909	1SS123A7T1BA	NEC
D 910	1SS123A7T1BA	NEC
D 911	DFH10TG	SYO
D 912	DFH10TG	SYO
D 913	DFH10TG	SYO
D 914	DFH10TG	SYO
D 915	DFH10TG	SYO
D 916	1SS294TE85RF	TSB
D 917	1SS294TE85RF	TSB
D 918	1SS294TE85RF	TSB
D 921	1SS181TE85LF	TSB
D 922	1SS181TE85LF	TSB

< DELAY LINES >

SYMBOL	PARTS CODE	MFD.
DL 101	SIL30N351	JPC
DL 301	SIL30N351	JPC
DL 501	SIL30N351	JPC
DL 701	SIL30N351	JPC

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 102	TC4W53FTE12LF	TSB
IC 103	TC4W53FTE12LF	TSB
IC 104	TC4S66FTE85LF	TSB
IC 105	TC4W53FTE12LF	TSB
IC 106	UPC4082G2A	NEC
IC 107	TC4W53FTE12LF	TSB
IC 108	TC4W53FTE12LF	TSB
IC 302	TC4W53FTE12LF	TSB
IC 303	TC4W53FTE12LF	TSB
IC 304	TC4S66FTE85LF	TSB
IC 305	TC4W53FTE12LF	TSB
IC 306	UPC4082G2A	NEC
IC 307	TC4W53FTE12LF	TSB
IC 502	TC4W53FTE12LF	TSB
IC 503	TC4W53FTE12LF	TSB
IC 504	TC4S66FTE85LF	TSB

SYMBOL	PARTS CODE	MFD.
IC 505	TC4W53FTE12LF	TSB
IC 506	UPC4082G2A	NEC
IC 507	TC4W53FTE12LF	TSB
IC 508	TC4W53FTE12LF	TSB
IC 701	CXA1739S	SON
IC 701	DIF40	MIZ
IC 702	LM318PS	TEX
IC 703	NJM4558MTE1SHPZZZ	SJRC
IC 704	NJM4558MTE1SHPZZZ	SJRC
IC 705	NJM4558MTE1SHPZZZ	SJRC
IC 706	NJM4558MTE1SHPZZZ	SJRC
IC 707	TC4W53FTE12LF	TSB
IC 709	NJM4558MTE1SHPZZZ	SJRC
IC 710	TC4W53FTE12LF	TSB
IC 711	TL7700CPWETAPL	TEX
IC 901	TC4W53FTE12LF	TSB
IC 902	GS4981CKAE3	GNM
IC 903	SN74AHC00PWR	TEX
IC 904	TC4W53FTE12LF	TSB
IC 905	TC4W53FTE12LF	TSB
IC 906	TC4W53FTE12LF	TSB
IC 907	TC4W53FTE12LF	TSB
IC 908	UPC393G2E2A	NEC
IC 909	SN74AHC00PWR	TEX
IC 910	NJU3718GTE1SHPZZZ	SJRC
IC 911	90ST903264	ALT
IC 912	TLC2932IPWRG4	TEX
IC 913	SN74LV541APWR	TEX
IC 914	SN74LV541APWR	TEX
IC 915	NJU3718GTE1SHPZZZ	SJRC
IC 916	TC4W53FTE12LF	TSB
IC 917	TC7W08FTE12LF	TSB
IC 918	SN74AHC1G04HDBV3	TEX
IC 919	SN74AHC1G08HDBV3	TEX
IC 920	TLC2932IPWRG4	TEX
IC 921	TC7W08FTE12LF	TSB
IC 922	90ST9032652	ALT

< COILS >

SYMBOL	PARTS CODE	MFD.
L 1	SLF7045T101MR50PF	TDK
L 101	SLF7045T101MR50PF	TDK
L 102	SLF7045T101MR50PF	TDK
L 103	SLF7045T101MR50PF	TDK
L 104	SLF7045T101MR50PF	TDK
L 301	SLF7045T101MR50PF	TDK
L 302	SLF7045T101MR50PF	TDK
L 303	SLF7045T101MR50PF	TDK
L 304	SLF7045T101MR50PF	TDK
L 501	SLF7045T101MR50PF	TDK
L 502	SLF7045T101MR50PF	TDK
L 503	SLF7045T101MR50PF	TDK
L 504	SLF7045T101MR50PF	TDK
L 701	SLF7045T101MR50PF	TDK
L 702	SLF7045T101MR50PF	TDK
L 703	SLF7045T101MR50PF	TDK
L 704	SLF7045T101MR50PF	TDK
L 901	BLM21A601SPT	MUR
L 902	BLM41A800SPT	MUR
L 903	BLM21A601SPT	MUR
L 904	BLM21A601SPT	MUR
L 905	BLM41A800SPT	MUR

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 1	※	
R 2	※	
R 3	RMC1100FTE	KMY
R 4	RMC1100FTE	KMY
R 5	※	
R 6	※	
R 7	※	
R 8	※	
R 9	※	
R 11	RGC1/16C473DTP	KMY
R 12	RGC1/16C121DTP	KMY
R 13	RGC1/16C122DTP	KMY
R 14	RGC1/16C331DTP	KMY
R 15	RGC1/16C122DTP	KMY
R 16	RGC1/16C121DTP	KMY
R 17	RGC1/16C331DTP	KMY
R 18	RGC1/16C222DTP	KMY
R 19	RGC1/16C471DTP	KMY
R 20	RGC1/16C183DTP	KMY
R 21	RGC1/16C103DTP	KMY
R 22	RGC1/16C473DTP	KMY
R 23	RGC1/16C101DTP	KMY
R 24	RGC1/16C102DTP	KMY
R 31	RGC1/16C473DTP	KMY
R 32	RGC1/16C121DTP	KMY
R 33	RGC1/16C122DTP	KMY
R 34	RGC1/16C331DTP	KMY
R 35	RGC1/16C122DTP	KMY
R 36	RGC1/16C121DTP	KMY
R 37	RGC1/16C331DTP	KMY
R 38	RGC1/16C222DTP	KMY
R 39	RGC1/16C471DTP	KMY
R 40	RGC1/16C183DTP	KMY
R 41	RGC1/16C103DTP	KMY
R 42	RGC1/16C473DTP	KMY
R 43	RGC1/16C101DTP	KMY
R 44	RGC1/16C102DTP	KMY
R 51	RGC1/16C473DTP	KMY
R 52	RGC1/16C121DTP	KMY
R 53	RGC1/16C122DTP	KMY
R 54	RGC1/16C331DTP	KMY
R 55	RGC1/16C122DTP	KMY
R 56	RGC1/16C121DTP	KMY
R 57	RGC1/16C331DTP	KMY
R 58	RGC1/16C222DTP	KMY
R 59	RGC1/16C471DTP	KMY
R 60	RGC1/16C183DTP	KMY
R 61	RGC1/16C103DTP	KMY
R 62	RGC1/16C473DTP	KMY
R 63	RGC1/16C101DTP	KMY
R 64	RGC1/16C102DTP	KMY
R 71	RGC1/16C473DTP	KMY
R 72	RGC1/16C121DTP	KMY
R 73	RGC1/16C122DTP	KMY
R 74	RGC1/16C331DTP	KMY
R 75	RGC1/16C122DTP	KMY
R 76	RGC1/16C121DTP	KMY
R 77	RGC1/16C331DTP	KMY
R 78	※	
R 79	RGC1/16C471DTP	KMY
R 80	RGC1/16C183DTP	KMY
R 81	RGC1/16C103DTP	KMY
R 82	RGC1/16C473DTP	KMY
R 83	RGC1/16C101DTP	KMY
R 84	RGC1/16C102DTP	KMY
R 101	RGC1/16C101DTP	KMY
R 102	RGC1/16C821DTP	KMY
R 103	RGC1/16C101DTP	KMY
R 104	RGC1/16C102DTP	KMY
R 105	RGC1/16C472DTP	KMY
R 106	RGC1/16C102DTP	KMY
R 107	RGC1/16C471DTP	KMY
R 108	RGC1/16C472DTP	KMY
R 109	RGC1/16C472DTP	KMY
R 110	※	
R 111	RGC1/16C332DTP	KMY
R 112	RGC1/16K330DTP	KMY
R 113	RMC1/16JPTP	KMY
R 114	RGC1/16C152DTP	KMY
R 115	RGC1/16C151DTP	KMY
R 116	RGC1/16K470DTP	KMY
R 117	RGC1/16C822DTP	KMY
R 118	RGC1/16C561DTP	KMY
R 119	RGC1/16C331DTP	KMY
R 120	RGC1/16C472DTP	KMY
R 121	RGC1/16K150DTP	KMY
R 122	RMC1/16JPTP	KMY
R 123	RGC1/16C122DTP	KMY
R 124	RGC1/16C151DTP	KMY
R 125	RGC1/16K750DTP	KMY
R 126	RGC1/16C103DTP	KMY
R 127	RGC1/16C152DTP	KMY
R 128	RMC1/16JPTP	KMY
R 129	RGC1/16C101DTP	KMY
R 130	RGC1/16C222DTP	KMY
R 132	RGC1/16C101DTP	KMY
R 134	RGC1/16C103DTP	KMY
R 135	RGC1/16C101DTP	KMY
R 136	RGC1/16C472DTP	KMY
R 137	RMC1/16154FTP	KMY
R 138	RGC1/16C103DTP	KMY
R 139	RGC1/16C104DTP	KMY
R 140	RMC1100FTE	KMY
R 141	RMC1100FTE	KMY
R 151	RGC1/16C122DTP	KMY
R 152	RGC1/16C122DTP	KMY
R 153	RGC1/16C122DTP	KMY
R 154	RGC1/16C122DTP	KMY
R 155	RGC1/16C103DTP	KMY
R 201	RGC1/16C472DTP	KMY
R 202	RGC1/16C102DTP	KMY
R 203	RGC1/16C102DTP	KMY
R 204	RGC1/16C472DTP	KMY
R 205	RGC1/16C472DTP	KMY
R 206	RGC1/16C101DTP	KMY
R 207	RGC1/16C472DTP	KMY
R 208	RGC1/16C472DTP	KMY
R 210	RGC1/16C331DTP	KMY
R 211	RGC1/16C101DTP	KMY
R 214	RGC1/16C101DTP	KMY
R 216	RGC1/16C103DTP	KMY
R 217	RGC1/16C103DTP	KMY
R 218	RGC1/16C103DTP	KMY
R 219	RGC1/16C562DTP	KMY
R 220	RGC1/16C152DTP	KMY
R 221	RGC1/16C152DTP	KMY
R 222	RGC1/16C222DTP	KMY
R 223	RGC1/16C821DTP	KMY
R 224	RGC1/16C472DTP	KMY
R 225	RGC1/16C103DTP	KMY
R 226	RGC1/16C101DTP	KMY
R 228	RGC1/16C153DTP	KMY
R 229	RGC1/16C152DTP	KMY
R 230	RGC1/16C152DTP	KMY
R 231	RGC1/16C152DTP	KMY
R 232	RGC1/16C152DTP	KMY
R 233	RGC1/16C103DTP	KMY
R 250	RGC1/16C101DTP	KMY
R 251	RGC1/16C682DTP	KMY
R 252	RGC1/16C682DTP	KMY
R 253	RGC1/16C682DTP	KMY
R 254	RGC1/16C101DTP	KMY
R 255	RGC1/16C103DTP	KMY
R 256	RGC1/16C472DTP	KMY
R 257	RMC1/16JPTP	KMY
R 258	RGC1/16C471DTP	KMY
R 259	MOS1C102J	KOA
R 260	MOS1C102J	KOA
R 261	RGC1/16C101DTP	KMY
R 262	RGC1/16C101DTP	KMY
R 263	MOS1C102J	KOA
R 266	RGC1/16C222DTP	KMY
R 267	RGC1/16C471DTP	KMY
R 268	RGC1/16C472DTP	KMY
R 269	RGC1/16C471DTP	KMY
R 270	RGC1/16C102DTP	KMY
R 271	RGC1/16C102DTP	KMY
R 272	RGC1/16C102DTP	KMY
R 273	RGC1/16C222DTP	KMY
R 274	RGC1/16C222DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 275	RGC1/16C102DTP	KMY
R 276	RGC1/16C104DTP	KMY
R 277	RGC1/16C103DTP	KMY
R 280	RMC1/16JPTP	KMY
R 281	RGC1/16C683DTP	KMY
R 282	RGC1/16C103DTP	KMY
R 283	RGC1/16C101DTP	KMY
R 284	RGC1/16C472DTP	KMY
R 285	RGC1/16C472DTP	KMY
R 286	RGC1/16C331DTP	KMY
R 287	RGC1/16C153DTP	KMY
R 288	RGC1/16C152DTP	KMY
R 289	RGC1/16C152DTP	KMY
R 290	RGC1/16C104DTP	KMY
R 291	RGC1/16C152DTP	KMY
R 292	RGC1/16C152DTP	KMY
R 293	RMC1/16JPTP	KMY
R 294	※	
R 295	※	
R 296	※	
R 297	RGC1/16C101DTP	KMY
R 301	RGC1/16C101DTP	KMY
R 302	RGC1/16C821DTP	KMY
R 303	RGC1/16C103DTP	KMY
R 304	RGC1/16C101DTP	KMY
R 305	RGC1/16C472DTP	KMY
R 307	RGC1/16C471DTP	KMY
R 308	RGC1/16C562DTP	KMY
R 309	RGC1/16C562DTP	KMY
R 310	RGC1/16C562DTP	KMY
R 311	RGC1/16C332DTP	KMY
R 312	RGC1/16K330DTP	KMY
R 313	RMC1/16JPTP	KMY
R 314	RGC1/16C152DTP	KMY
R 315	RGC1/16C151DTP	KMY
R 316	RGC1/16K470DTP	KMY
R 317	RGC1/16C822DTP	KMY
R 318	RGC1/16C561DTP	KMY
R 319	RGC1/16C331DTP	KMY
R 320	RGC1/16C472DTP	KMY
R 321	RGC1/16K150DTP	KMY
R 322	RMC1/16JPTP	KMY
R 323	RGC1/16C122DTP	KMY
R 324	RGC1/16C151DTP	KMY
R 325	RGC1/16K750DTP	KMY
R 326	RGC1/16C103DTP	KMY
R 327	RGC1/16C152DTP	KMY
R 328	RMC1/16JPTP	KMY
R 329	RGC1/16C101DTP	KMY
R 330	RGC1/16C222DTP	KMY
R 332	RGC1/16C101DTP	KMY
R 334	RGC1/16C103DTP	KMY
R 335	RGC1/16C101DTP	KMY
R 336	RGC1/16C472DTP	KMY
R 337	RMC1/16154FTP	KMY
R 338	RGC1/16C103DTP	KMY
R 339	RGC1/16C104DTP	KMY
R 340	RMC1100FTE	KMY
R 341	RMC1100FTE	KMY
R 351	RGC1/16C122DTP	KMY
R 352	RGC1/16C122DTP	KMY
R 353	RGC1/16C122DTP	KMY
R 354	RGC1/16C122DTP	KMY
R 355	RGC1/16C472DTP	KMY
R 356	RGC1/16C472DTP	KMY
R 357	RGC1/16C103DTP	KMY
R 358	RGC1/16C472DTP	KMY
R 401	RGC1/16C472DTP	KMY
R 402	RGC1/16C102DTP	KMY
R 403	RGC1/16C102DTP	KMY
R 404	RGC1/16C472DTP	KMY
R 405	RGC1/16C472DTP	KMY
R 406	RGC1/16C101DTP	KMY
R 407	RGC1/16C472DTP	KMY
R 408	RGC1/16C472DTP	KMY
R 409	RGC1/16C472DTP	KMY
R 410	RGC1/16C331DTP	KMY
R 411	RGC1/16C101DTP	KMY
R 414	RGC1/16C101DTP	KMY
R 416	RGC1/16C103DTP	KMY
R 418	※	
R 419	RGC1/16C102DTP	KMY
R 420	RGC1/16C152DTP	KMY
R 421	RGC1/16C152DTP	KMY
R 422	RGC1/16C222DTP	KMY
R 423	RGC1/16C821DTP	KMY
R 424	RGC1/16C122DTP	KMY
R 425	RGC1/16C472DTP	KMY
R 426	RGC1/16C101DTP	KMY
R 428	RGC1/16C103DTP	KMY
R 429	RGC1/16C152DTP	KMY
R 430	RGC1/16C152DTP	KMY
R 431	RGC1/16C152DTP	KMY
R 432	RGC1/16C152DTP	KMY
R 433	RGC1/16C103DTP	KMY
R 450	RGC1/16C101DTP	KMY
R 451	RGC1/16C682DTP	KMY
R 452	RGC1/16C682DTP	KMY
R 453	RGC1/16C682DTP	KMY
R 454	RGC1/16C101DTP	KMY
R 455	RGC1/16C103DTP	KMY
R 456	RGC1/16C472DTP	KMY
R 457	RMC1/16JPTP	KMY
R 458	RGC1/16C471DTP	KMY
R 459	MOS1C102J	KOA
R 460	MOS1C102J	KOA
R 461	RGC1/16C101DTP	KMY
R 462	RGC1/16C101DTP	KMY
R 463	MOS1C102J	KOA
R 466	RGC1/16C222DTP	KMY
R 467	RGC1/16C471DTP	KMY
R 468	RGC1/16C472DTP	KMY
R 469	RGC1/16C471DTP	KMY
R 470	RGC1/16C102DTP	KMY
R 471	RGC1/16C102DTP	KMY
R 472	RGC1/16C102DTP	KMY
R 473	RGC1/16C222DTP	KMY
R 474	RGC1/16C222DTP	KMY
R 475	RGC1/16C102DTP	KMY
R 476	RGC1/16C104DTP	KMY
R 477	RGC1/16C103DTP	KMY
R 478	RGC1/16C472DTP	KMY
R 480	RMC1/16JPTP	KMY
R 481	RGC1/16C683DTP	KMY
R 482	RGC1/16C103DTP	KMY
R 483	RGC1/16C101DTP	KMY
R 484	RGC1/16C472DTP	KMY
R 485	RGC1/16C472DTP	KMY
R 486	RGC1/16C331DTP	KMY
R 487	RGC1/16C103DTP	KMY
R 488	RGC1/16C102DTP	KMY
R 489	RGC1/16C101DTP	KMY
R 490	RGC1/16C222DTP	KMY
R 493	RMC1/16JPTP	KMY
R 494	※	
R 495	※	
R 496	※	
R 497	RGC1/16C101DTP	KMY
R 498	RGC1/16C472DTP	KMY
R 499	RGC1/16C472DTP	KMY
R 501	RGC1/16C101DTP	KMY
R 502	RGC1/16C821DTP	KMY
R 503	RGC1/16C101DTP	KMY
R 504	RGC1/16C102DTP	KMY
R 505	RGC1/16C472DTP	KMY
R 506	RGC1/16C102DTP	KMY
R 507	RGC1/16C471DTP	KMY
R 508	RGC1/16C472DTP	KMY
R 509	RGC1/16C472DTP	KMY
R 510	※	
R 511	RGC1/16C332DTP	KMY
R 512	RGC1/16K330DTP	KMY
R 513	RMC1/16JPTP	KMY
R 514	RGC1/16C152DTP	KMY
R 515	RGC1/16C151DTP	KMY
R 516	RGC1/16K470DTP	KMY
R 517	RGC1/16C822DTP	KMY
R 518	RGC1/16C561DTP	KMY
R 519	RGC1/16C331DTP	KMY
R 520	RGC1/16C472DTP	KMY
R 521	RGC1/16K150DTP	KMY
R 522	RMC1/16JPTP	KMY
R 523	RGC1/16C122DTP	KMY
R 524	RGC1/16C151DTP	KMY
R 525	RGC1/16K750DTP	KMY
R 526	RGC1/16C103DTP	KMY
R 527	RGC1/16C152DTP	KMY
R 528	RMC1/16JPTP	KMY
R 529	RGC1/16C101DTP	KMY
R 530	RGC1/16C222DTP	KMY
R 532	RGC1/16C101DTP	KMY
R 534	RGC1/16C103DTP	KMY
R 535	RGC1/16C101DTP	KMY
R 536	RGC1/16C472DTP	KMY
R 537	RMC1/16154FTP	KMY
R 538	RGC1/16C103DTP	KMY
R 539	RGC1/16C104DTP	KMY
R 540	RMC1100FTE	KMY
R 541	RMC1100FTE	KMY
R 551	RGC1/16C122DTP	KMY
R 552	RGC1/16C122DTP	KMY
R 553	RGC1/16C122DTP	KMY
R 554	RGC1/16C122DTP	KMY
R 555	RGC1/16C103DTP	KMY
R 601	RGC1/16C472DTP	KMY
R 602	RGC1/16C102DTP	KMY
R 603	RGC1/16C102DTP	KMY
R 604	RGC1/16C472DTP	KMY
R 605	RGC1/16C472DTP	KMY
R 606	RGC1/16C101DTP	KMY
R 607	RGC1/16C472DTP	KMY
R 608	RGC1/16C472DTP	KMY
R 610	RGC1/16C331DTP	KMY
R 611	RGC1/16C101DTP	KMY
R 614	RGC1/16C101DTP	KMY
R 616	RGC1/16C103DTP	KMY
R 617	※	
R 618	RGC1/16C103DTP	KMY
R 619	RGC1/16C562DTP	KMY
R 620	RGC1/16C152DTP	KMY
R 621	RGC1/16C152DTP	KMY
R 622	RGC1/16C222DTP	KMY
R 623	RGC1/16C821DTP	KMY
R 624	RGC1/16C472DTP	KMY
R 625	RGC1/16C103DTP	KMY
R 626	RGC1/16C101DTP	KMY
R 628	RGC1/16C153DTP	KMY
R 629	RGC1/16C152DTP	KMY
R 630	RGC1/16C152DTP	KMY
R 631	RGC1/16C152DTP	KMY
R 632	RGC1/16C152DTP	KMY
R 633	RGC1/16C103DTP	KMY
R 650	RGC1/16C101DTP	KMY
R 651	RGC1/16C682DTP	KMY
R 652	RGC1/16C682DTP	KMY
R 653	RGC1/16C682DTP	KMY
R 654	RGC1/16C101DTP	KMY
R 655	RGC1/16C103DTP	KMY
R 656	RGC1/16C472DTP	KMY
R 657	RMC1/16JPTP	KMY
R 658	RGC1/16C471DTP	KMY
R 659	MOS1C102J	KOA
R 660	MOS1C102J	KOA
R 661	RGC1/16C101DTP	KMY
R 662	RGC1/16C101DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 663	MOS1C102J	KOA
R 666	RGC1/16C222DTP	KMY
R 667	RGC1/16C471DTP	KMY
R 668	RGC1/16C472DTP	KMY
R 669	RGC1/16C471DTP	KMY
R 670	RGC1/16C102DTP	KMY
R 671	RGC1/16C102DTP	KMY
R 672	RGC1/16C102DTP	KMY
R 673	RGC1/16C222DTP	KMY
R 674	RGC1/16C222DTP	KMY
R 675	RGC1/16C102DTP	KMY
R 676	RGC1/16C104DTP	KMY
R 677	RGC1/16C103DTP	KMY
R 680	RMC1/16JPTP	KMY
R 681	RGC1/16C683DTP	KMY
R 682	RGC1/16C103DTP	KMY
R 683	RGC1/16C101DTP	KMY
R 684	RGC1/16C472DTP	KMY
R 685	RGC1/16C472DTP	KMY
R 686	RGC1/16C331DTP	KMY
R 687	RGC1/16C153DTP	KMY
R 688	RGC1/16C152DTP	KMY
R 689	RGC1/16C152DTP	KMY
R 690	RGC1/16C104DTP	KMY
R 691	RGC1/16C152DTP	KMY
R 692	RGC1/16C152DTP	KMY
R 693	RMC1/16JPTP	KMY
R 694	※	
R 695	※	
R 696	※	
R 697	RGC1/16C101DTP	KMY
R 701	※	
R 702	RGC1/16C102DTP	KMY
R 703	RGC1/16C331DTP	KMY
R 704	RGC1/16C101DTP	KMY
R 705	RGC1/16C101DTP	KMY
R 706	RGC1/16C101DTP	KMY
R 707	RGC1/16C182DTP	KMY
R 708	RGC1/16C471DTP	KMY
R 709	RGC1/16C682DTP	KMY
R 710	RGC1/16C331DTP	KMY
R 711	RGC1/16C101DTP	KMY
R 712	RGC1/16C101DTP	KMY
R 713	RGC1/16C331DTP	KMY
R 714	RGC1/16C101DTP	KMY
R 715	RGC1/16C331DTP	KMY
R 716	RGC1/16C101DTP	KMY
R 717	RGC1/16C222DTP	KMY
R 718	RGC1/16C102DTP	KMY
R 719	RGC1/16C103DTP	KMY
R 720	RGC1/16C102DTP	KMY
R 721	RGC1/16C182DTP	KMY
R 722	RGC1/16C182DTP	KMY
R 723	RGC1/16C102DTP	KMY
R 724	RGC1/16C103DTP	KMY
R 725	RGC1/16C393DTP	KMY
R 727	RGC1/16C103DTP	KMY
R 728	※	
R 729	RGC1/16C102DTP	KMY
R 730	RGC1/16C103DTP	KMY
R 731	※	
R 732	RGC1/16C102DTP	KMY
R 733	RGC1/16C103DTP	KMY
R 734	RGC1/16C393DTP	KMY
R 735	RGC1/16C102DTP	KMY
R 736	RGC1/16C103DTP	KMY
R 737	RGC1/16C393DTP	KMY
R 738	RGC1/16C102DTP	KMY
R 739	RGC1/16C103DTP	KMY
R 740	RGC1/16C393DTP	KMY
R 741	RGC1/16C102DTP	KMY
R 742	RGC1/16C103DTP	KMY
R 743	RGC1/16C393DTP	KMY
R 744	RGC1/16C102DTP	KMY
R 745	RGC1/16C103DTP	KMY
R 746	RGC1/16C393DTP	KMY
R 747	RGC1/16C102DTP	KMY
R 748	RGC1/16C103DTP	KMY
R 749	RGC1/16C393DTP	KMY
R 751	RGC1/16C101DTP	KMY
R 752	RMC1/16JPTP	KMY
R 753	RMC1/16JPTP	KMY
R 754	RMC1/16JPTP	KMY
R 755	※	
R 756	※	
R 757	※	
R 759	RGC1/16C104DTP	KMY
R 760	RGC1/16C104DTP	KMY
R 761	RGC1/16C104DTP	KMY
R 762	RGC1/16C104DTP	KMY
R 763	RGC1/16C472DTP	KMY
R 764	RGC1/16C104DTP	KMY
R 765	RGC1/16C222DTP	KMY
R 766	RGC1/16C104DTP	KMY
R 767	RGC1/16C103DTP	KMY
R 768	RGC1/16C102DTP	KMY
R 769	RMC1/16474FTP	KMY
R 770	RGC1/16C103DTP	KMY
R 771	※	
R 772	RGC1/16C103DTP	KMY
R 773	RGC1/16C102DTP	KMY
R 774	RGC1/16C102DTP	KMY
R 775	RGC1/16C103DTP	KMY
R 776	RGC1/16C472DTP	KMY
R 777	RGC1/16C472DTP	KMY
R 778	※	
R 779	RMC1/16JPTP	KMY
R 780	※	
R 781	※	
R 782	RMC1/16JPTP	KMY
R 783	RGC1/16C223DTP	KMY
R 784	RGC1/16C104DTP	KMY
R 785	RGC1/16C683DTP	KMY
R 786	RMC1/16224FTP	KMY
R 787	RGC1/16C333DTP	KMY
R 788	RGC1/16C102DTP	KMY
R 789	RGC1/16C561DTP	KMY
R 902	RGC1/16C472DTP	KMY
R 903	RGC1/16C104DTP	KMY
R 904	RGC1/16C222DTP	KMY
R 906	RGC1/16C222DTP	KMY
R 907	RMC1/16474FTP	KMY
R 908	RGC1/16K100DTP	KMY
R 909	RGC1/16C472DTP	KMY
R 910	RGC1/16C101DTP	KMY
R 911	RGC1/16C101DTP	KMY
R 912	RGC1/16C101DTP	KMY
R 913	RGC1/16C101DTP	KMY
R 914	RGC1/16C101DTP	KMY
R 917	RGC1/16C104DTP	KMY
R 918	RGC1/16C333DTP	KMY
R 919	RMC1/16105FTP	KMY
R 920	RGC1/16C103DTP	KMY
R 921	RGC1/16C102DTP	KMY
R 922	RGC1/16C102DTP	KMY
R 923	RGC1/16C102DTP	KMY
R 926	RGC1/16C101DTP	KMY
R 927	RGC1/16C101DTP	KMY
R 928	RGC1/16C101DTP	KMY
R 929	RGC1/16C103DTP	KMY
R 930	RGC1/16C103DTP	KMY
R 931	RGC1/16C103DTP	KMY
R 932	RGC1/16C103DTP	KMY
R 933	RGC1/16C272DTP	KMY
R 934	RGC1/16C222DTP	KMY
R 935	※	
R 936	RGC1/16C221DTP	KMY
R 937	※	
R 938	RMC1/16JPTP	KMY
R 939	RGC1/16C472DTP	KMY
R 940	RGC1/16C102DTP	KMY
R 941	RGC1/16C102DTP	KMY
R 942	RGC1/16C104DTP	KMY
R 943	RGC1/16C103DTP	KMY
R 944	RGC1/16C103DTP	KMY
R 945	RGC1/16C471DTP	KMY
R 946	RGC1/16C682DTP	KMY
R 947	RGC1/16C682DTP	KMY
R 948	RMC1100FTE	KMY
R 949	RMC1100FTE	KMY
R 950	RGC1/16C101DTP	KMY
R 951	RGC1/16C101DTP	KMY
R 952	RGC1/16C101DTP	KMY
R 953	RGC1/16C101DTP	KMY
R 955	RGC1/16C101DTP	KMY
R 956	RGC1/16C473DTP	KMY
R 957	RGC1/16C473DTP	KMY
R 959	RGC1/16C473DTP	KMY
R 962	MF1/4CC1005F	KOA
R 963	RGC1/16C103DTP	KMY
R 964	RMC1/16474FTP	KMY
R 968	RGC1/16C102DTP	KMY
R 969	RGC1/16C222DTP	KMY
R 970	RGC1/16C333DTP	KMY
R 971	RMC1/16474FTP	KMY
R 972	RGC1/16C223DTP	KMY
R 973	RGC1/16C104DTP	KMY
R 974	RGC1/16C103DTP	KMY
R 975	RGC1/16C101DTP	KMY
R 976	RGC1/16C563DTP	KMY
R 977	RGC1/16C333DTP	KMY
R 978	RMC1/16JPTP	KMY
R 979	RGC1/16C103DTP	KMY
R 982	RGC1/16C272DTP	KMY
R 983	RGC1/16C222DTP	KMY
R 984	※	
R 985	RGC1/16C471DTP	KMY
R 986	※	
R 987	RMC1/16JPTP	KMY
R 988	RMC1/16JPTP	KMY
R 998	RGC1/16C473DTP	KMY
R 999	RGC1/16C473DTP	KMY

< SWITCHES >

S 901	CS413NTB	CPL

< TEST POINTS >

TP 1	EYF6CU	MAT
TP 2	EYF6CU	MAT
TP 101	EYF6CU	MAT
TP 102	EYF6CU	MAT
TP 103	EYF6CU	MAT
TP 104	EYF6CU	MAT
TP 105	EYF6CU	MAT
TP 106	EYF6CU	MAT
TP 107	EYF6CU	MAT
TP 108	EYF6CU	MAT
TP 109	EYF6CU	MAT
TP 110	EYF6CU	MAT
TP 301	EYF6CU	MAT
TP 302	EYF6CU	MAT
TP 303	EYF6CU	MAT
TP 304	EYF6CU	MAT
TP 305	EYF6CU	MAT
TP 306	EYF6CU	MAT
TP 307	EYF6CU	MAT
TP 308	EYF6CU	MAT
TP 309	EYF6CU	MAT
TP 310	EYF6CU	MAT
TP 501	EYF6CU	MAT
TP 502	EYF6CU	MAT
TP 503	EYF6CU	MAT
TP 504	EYF6CU	MAT

SYMBOL	PARTS CODE	MFD.
TP 505	EYF6CU	MAT
TP 506	EYF6CU	MAT
TP 507	EYF6CU	MAT
TP 508	EYF6CU	MAT
TP 509	EYF6CU	MAT
TP 510	EYF6CU	MAT
TP 701	EYF6CU	MAT
TP 702	EYF6CU	MAT
TP 703	EYF6CU	MAT
TP 901	EYF6CU	MAT
TP 903	EYF6CU	MAT
TP 904	EYF6CU	MAT
TP 905	EYF6CU	MAT
TP 906	EYF6CU	MAT
TP 907	EYF6CU	MAT
TP 908	EYF6CU	MAT
TP 909	EYF6CU	MAT
TP 910	EYF6CU	MAT
TP 911	EYF6CU	MAT
TP 912	EYF6CU	MAT
TP 913	EYF6CU	MAT
TP 914	EYF6CU	MAT
TP 915	EYF6CU	MAT

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 11	2SC3735T1BAB35	NEC
TR 12	2SC3735T1BAB35	NEC
TR 13	2SC3735T1BAB35	NEC
TR 14	2SC3735T1BAB35	NEC
TR 31	2SC3735T1BAB35	NEC
TR 32	2SC3735T1BAB35	NEC
TR 33	2SC3735T1BAB35	NEC
TR 34	2SC3735T1BAB35	NEC
TR 51	2SC3735T1BAB35	NEC
TR 52	2SC3735T1BAB35	NEC
TR 53	2SC3735T1BAB35	NEC
TR 54	2SC3735T1BAB35	NEC
TR 71	2SC3735T1BAB35	NEC
TR 72	2SC3735T1BAB35	NEC
TR 73	2SC3735T1BAB35	NEC
TR 74	2SC3735T1BAB35	NEC
TR 101	2SA1461Y24T1BA	NEC
TR 102	2SC3735T1BAB35	NEC
TR 103	2SC3735T1BAB35	NEC
TR 104	2SC3735T1BAB35	NEC
TR 106	2SA1461Y24T1BA	NEC
TR 107	2SC3735T1BAB35	NEC
TR 108	2SC3735T1BAB35	NEC
TR 109	2SC3735T1BAB35	NEC
TR 110	2SC3735T1BAB35	NEC
TR 112	2SC3735T1BAB35	NEC
TR 113	2SC3735T1BAB35	NEC
TR 114	2SC3735T1BAB35	NEC
TR 115	2SA1461Y24T1BA	NEC
TR 116	2SC3735T1BAB35	NEC
TR 117	2SC3735T1BAB35	NEC
TR 118	2SC3735T1BAB35	NEC
TR 119	2SK3033TBE	SYO
TR 120	UNR211100L	MEC
TR 121	UNR211100L	MEC
TR 122	2SC3735T1BAB35	NEC
TR 123	2SA1461Y24T1BA	NEC
TR 124	2SC1623T1BAL6L7	NEC
TR 301	2SA1461Y24T1BA	NEC
TR 302	2SA1461Y24T1BA	NEC
TR 303	2SC3735T1BAB35	NEC
TR 304	2SC3735T1BAB35	NEC
TR 306	2SA1461Y24T1BA	NEC
TR 307	2SC3735T1BAB35	NEC
TR 308	2SC3735T1BAB35	NEC
TR 309	2SC3735T1BAB35	NEC
TR 310	2SC3735T1BAB35	NEC
TR 312	2SC3735T1BAB35	NEC
TR 313	2SC3735T1BAB35	NEC
TR 314	2SC3735T1BAB35	NEC
TR 315	2SA1461Y24T1BA	NEC
TR 316	2SC3735T1BAB35	NEC
TR 317	2SC3735T1BAB35	NEC
TR 318	2SC3735T1BAB35	NEC
TR 319	2SK3033TBE	SYO
TR 320	UNR211100L	MEC
TR 321	UNR211100L	MEC
TR 322	2SC3735T1BAB35	NEC
TR 323	2SA1461Y24T1BA	NEC
TR 324	2SC1623T1BAL6L7	NEC
TR 325	2SC3735T1BAB35	NEC
TR 501	2SA1461Y24T1BA	NEC
TR 502	2SC3735T1BAB35	NEC
TR 503	2SC3735T1BAB35	NEC
TR 504	2SC3735T1BAB35	NEC
TR 506	2SA1461Y24T1BA	NEC
TR 507	2SC3735T1BAB35	NEC
TR 508	2SC3735T1BAB35	NEC
TR 509	2SC3735T1BAB35	NEC
TR 510	2SC3735T1BAB35	NEC
TR 512	2SC3735T1BAB35	NEC
TR 513	2SC3735T1BAB35	NEC
TR 514	2SC3735T1BAB35	NEC
TR 515	2SA1461Y24T1BA	NEC
TR 516	2SC3735T1BAB35	NEC
TR 517	2SC3735T1BAB35	NEC
TR 518	2SC3735T1BAB35	NEC
TR 519	2SK3033TBE	SYO
TR 520	UNR211100L	MEC
TR 521	UNR211100L	MEC
TR 522	2SC3735T1BAB35	NEC
TR 523	2SA1461Y24T1BA	NEC
TR 524	2SC1623T1BAL6L7	NEC
TR 701	2SC3735T1BAB35	NEC
TR 702	2SC3735T1BAB35	NEC
TR 703	2SC3735T1BAB35	NEC
TR 704	2SC3735T1BAB35	NEC
TR 705	2SC3735T1BAB35	NEC
TR 706	2SC3735T1BAB35	NEC
TR 707	2SA1461Y24T1BA	NEC
TR 709	UNR221100L	MEC
TR 710	UNR221100L	MEC
TR 711	UNR221100L	MEC
TR 712	UNR221100L	MEC
TR 713	UNR221100L	MEC
TR 715	UNR221100L	MEC
TR 716	UNR221100L	MEC
TR 717	2SC3735T1BAB35	NEC
TR 718	UNR221100L	MEC
TR 719	2SC3735T1BAB35	NEC
TR 720	2SA1461Y24T1BA	NEC
TR 721	2SC3735T1BAB35	NEC
TR 722	UNR221100L	MEC
TR 723	UNR221100L	MEC
TR 901	2SC3735T1BAB35	NEC
TR 902	UNR221100L	MEC
TR 903	2SA1461Y24T1BA	NEC
TR 904	UNR221100L	MEC
TR 905	2SC3735T1BAB35	NEC
TR 906	2SA1461Y24T1BA	NEC
TR 907	2SC3631ZE1AZK	NEC
TR 908	UNR221100L	MEC
TR 909	UNR221100L	MEC
TR 910	UNR221100L	MEC
TR 911	2SA1461Y24T1BA	NEC

< VARIABLE CAPACITORS >

SYMBOL	PARTS CODE	MFD.
VC 101	CV05A0601	COS
VC 301	CV05A0601	COS
VC 501	CV05A0601	COS

< VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 101	ST4ETB102	CPL
VR 102	ST4ETB103	CPL
VR 103	ST4ETB103	CPL
VR 104	ST4ETB502	CPL
VR 105	ST4ETB503	CPL
VR 106	ST4ETB502	CPL
VR 201	ST4ETB101	CPL
VR 202	※	
VR 301	ST4ETB102	CPL
VR 305	ST4ETB503	CPL
VR 401	ST4ETB101	CPL
VR 402	※	
VR 501	ST4ETB102	CPL
VR 502	※	
VR 503	ST4ETB103	CPL
VR 504	ST4ETB502	CPL
VR 505	ST4ETB503	CPL
VR 506	ST4ETB502	CPL
VR 601	ST4ETB101	CPL
VR 602	※	
VR 701	ST4ETB201	CPL
VR 702	ST4ETB103	CPL
VR 703	ST4ETB103	CPL
VR 704	※	
VR 705	ST4ETB103	CPL
VR 706	ST4ETB103	CPL

RGB OUT BOARD (1517R)

PP-906326

< CAPACITORS >

SYMBOL	PARTS CODE	MFD.
C 101	EMVY160ADA101MF55	NCH
C 102	GRM21BB11H104KA01	MUR
C 103	EMVY160ADA101MF55	NCH
C 104	GRM21BB11H104KA01	MUR
C 105	EMVY350ADA100ME55G	NCH
C 106	GRM40CH121J50PT	MUR
C 107	GRM2162C1H820JZ01	MUR
C 108	ESMG201ELL100MJC5	NCH
C 109	ECQE2104KF	MAT
C 201	EMVY160ADA101MF55	NCH
C 202	GRM21BB11H104KA01	MUR
C 203	EMVY160ADA101MF55	NCH
C 204	GRM21BB11H104KA01	MUR
C 205	EMVY350ADA100ME55G	NCH
C 206	GRM40CH121J50PT	MUR
C 207	GRM2162C1H820JZ01	MUR
C 208	ESMG201ELL100MJC5	NCH
C 209	ECQE2104KF	MAT
C 301	EMVY160ADA101MF55	NCH
C 302	GRM21BB11H104KA01	MUR
C 303	EMVY160ADA101MF55	NCH
C 304	GRM21BB11H104KA01	MUR
C 305	EMVY350ADA100ME55G	NCH
C 306	GRM40CH121J50PT	MUR
C 307	GRM2162C1H820JZ01	MUR
C 308	ESMG201ELL100MJC5	NCH
C 309	ECQE2104KF	MAT
C 401	ECQE2104KF	MAT
C 402	ESMG201ELL220MJ20	NCH
C 403	ESMG201ELL100MJC5	NCH
C 404	ESMG201ELL470MK20	NCH

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CN 213	HIF3FC20PA2R54DSA-A	HRS
CN 214	DF14P2R5DS05	HRS
CN 215	DF14P2R5DS05	HRS
CN 216	DF14P2R5DS05	HRS
CN 217	DF12P2R5DSA05	HRS

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 101	1SS83TDE	HIT
D 102	1SS181TE85LF	TSB
D 103	1SS181TE85LF	TSB
D 104	1SS83TDE	HIT
D 105	1SS83TDE	HIT
D 201	1SS83TDE	HIT
D 202	1SS181TE85LF	TSB
D 203	1SS181TE85LF	TSB
D 204	1SS83TDE	HIT
D 205	1SS83TDE	HIT
D 301	1SS83TDE	HIT
D 302	1SS181TE85LF	TSB
D 303	1SS181TE85LF	TSB
D 304	1SS83TDE	HIT
D 305	1SS83TDE	HIT

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 101	UPC4081G2E1A	NEC
IC 201	UPC4081G2E1A	NEC
IC 301	UPC4081G2E1A	NEC

< COILS >

SYMBOL	PARTS CODE	MFD.
L 103	TSL0709S101KR66PF	TDK
L 203	TSL0709S101KR66PF	TDK
L 303	TSL0709S101KR66PF	TDK
L 401	TSL0709S101KR66PF	TDK

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 101	RMC1100FTE	KMY
R 102	RMC1100FTE	KMY
R 103	RGC1/10C101DTP	KMY
R 104	RGC1/10C472DTP	KMY
R 105	RGC1/10C472DTP	KMY
R 108	RGC1/10C101DTP	KMY
R 109	RGC1/10C102DTP	KMY
R 110	RMC1/10JPTP	KMY
R 111	RGC1/10C561DTP	KMY
R 112	RGC1/10C561DTP	KMY
R 113	RGC1/10C561DTP	KMY
R 114	RGC1/10C561DTP	KMY
R 115	RNP10C1500FZ00	NKM
R 116	RNP10C1500FZ00	NKM
R 117	RGC1/10C103DTP	KMY
R 118	RMC1104FTE	KMY
R 119	RNP10C4700FZ00	NKM
R 120	RGC1/10C103DTP	KMY
R 121	RMC1104FTE	KMY
R 122	RNP10C4700FZ00	NKM
R 123	RGC1/10C101DTP	KMY
R 124	RGC1/10C103DTP	KMY
R 125	※	
R 126	RGC1/10C152DTP	KMY
R 127	RGC1/10C101DTP	KMY
R 128	RGC1/10C473DTP	KMY
R 201	RMC1100FTE	KMY
R 202	RMC1100FTE	KMY
R 203	RGC1/10C101DTP	KMY
R 204	RGC1/10C472DTP	KMY
R 205	RGC1/10C472DTP	KMY
R 208	RGC1/10C101DTP	KMY
R 209	RGC1/10C102DTP	KMY
R 210	RMC1/10JPTP	KMY
R 211	RGC1/10C561DTP	KMY
R 212	RGC1/10C561DTP	KMY
R 213	RGC1/10C561DTP	KMY
R 214	RGC1/10C561DTP	KMY
R 215	RNP10C1500FZ00	NKM
R 216	RNP10C1500FZ00	NKM
R 217	RGC1/10C103DTP	KMY
R 218	RMC1104FTE	KMY
R 219	RNP10C4700FZ00	NKM
R 220	RGC1/10C103DTP	KMY
R 221	RMC1104FTE	KMY
R 222	RNP10C4700FZ00	NKM
R 223	RGC1/10C101DTP	KMY
R 224	RGC1/10C103DTP	KMY
R 225	※	
R 226	RGC1/10C152DTP	KMY
R 227	RGC1/10C101DTP	KMY
R 228	RGC1/10C473DTP	KMY
R 301	RMC1100FTE	KMY
R 302	RMC1100FTE	KMY
R 303	RGC1/10C101DTP	KMY
R 304	RGC1/10C472DTP	KMY
R 305	RGC1/10C472DTP	KMY
R 308	RGC1/10C101DTP	KMY
R 309	RGC1/10C102DTP	KMY
R 310	RMC1/10JPTP	KMY
R 311	RGC1/10C561DTP	KMY
R 312	RGC1/10C561DTP	KMY
R 313	RGC1/10C561DTP	KMY
R 314	RGC1/10C561DTP	KMY
R 315	RNP10C1500FZ00	NKM
R 316	RNP10C1500FZ00	NKM
R 317	RGC1/10C103DTP	KMY
R 318	RMC1104FTE	KMY
R 319	RNP10C4700FZ00	NKM
R 320	RGC1/10C103DTP	KMY
R 321	RMC1104FTE	KMY
R 322	RNP10C4700FZ00	NKM
R 323	RGC1/10C101DTP	KMY
R 324	RGC1/10C103DTP	KMY
R 325	※	
R 326	RGC1/10C152DTP	KMY
R 327	RGC1/10C101DTP	KMY
R 328	RGC1/10C473DTP	KMY
R 401	RGC1/10C471DTP	KMY
R 402	RMC1104FTE	KMY
R 403	※	
R 404	RGC1/10C103DTP	KMY
R 405	RGC1/10C103DTP	KMY
R 406	RGC1/10C103DTP	KMY
R 407	RGC1/10C103DTP	KMY
R 408	RGC1/10C183DTP	KMY
R 409	RGC1/10C102DTP	KMY
R 410	RGC1/10C472DTP	KMY
R 411	RGC1/10C104DTP	KMY
R 412	RGC1/10C472DTP	KMY
R 417	RMC1/10JPTP	KMY

< TEST POINTS >

SYMBOL	PARTS CODE	MFD.
TP 101	EYF6CU	MAT
TP 102	EYF6CU	MAT
TP 201	EYF6CU	MAT
TP 202	EYF6CU	MAT
TP 301	EYF6CU	MAT
TP 302	EYF6CU	MAT

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 101	2SA1461Y24T1BA	NEC
TR 103	2SC3601	SYO
TR 103	40ST901396	SKK
TR 104	2SC3595DE	SYO
TR 105	2SA1209	SYO
TR 106	2SA1407ED	SYO
TR 106	40ST901396	SKK
TR 107	2SC2911S	SYO
TR 109	2SA1209	SYO
TR 201	2SA1461Y24T1BA	NEC
TR 203	2SC3601	SYO
TR 203	40ST901396	SKK
TR 204	2SC3595DE	SYO
TR 205	2SA1209	SYO
TR 206	2SA1407ED	SYO
TR 206	40ST901396	SKK
TR 207	2SC2911S	SYO
TR 209	2SA1209	SYO
TR 301	2SA1461Y24T1BA	NEC
TR 303	2SC3601	SYO
TR 303	40ST901396	SKK
TR 304	2SC3595DE	SYO
TR 305	2SA1209	SYO
TR 306	2SA1407ED	SYO
TR 306	40ST901396	SKK
TR 307	2SC2911S	SYO
TR 309	2SA1209	SYO
TR 401	2SD1264P	MEC
TR 402	※	
TR 403	※	
TR 404	2SC3360T1BAN1617	NEC
TR 405	UNR221100L	MEC
TR 406	2SC3360T1BAN1617	NEC
TR 407	2SA1461Y24T1BA	NEC
TR 408	2SA1461Y24T1BA	NEC

< VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 101	ST4ETB501	CPL
VR 201	ST4ETB501	CPL
VR 301	ST4ETB501	CPL
VR 401	※	

CRT SOCKET BOARD (1517R)
PP-906523

SYMBOL	PARTS CODE	MFD.
< CAPACITORS >		
C 1	DEBB33F471KC3B	MUR
C 2	ECQE2104JF3	MAT
< CONNECTORS >		
CN 204	90C4N59045	UTK
CN 217	90C4N59044	UTK
CN 224	B1PLVTALF	NAT
CN 936	DF14P2R5DSA05	HRS
CN 937	DF14P2R5DSA05	HRS
CN 938	DF14P2R5DSA05	HRS
CN 950	HPS21990104089	HOS
< COILS >		
L 1	LAL02TB2R7K	TYU
L 2	LAL02TB2R7K	TYU
L 3	LAL02TB2R2K	TYU
< RESISTORS >		
R 1	CFS1/2CT26152J	KOA
R 2	CFS1/4CT26100J	KOA
R 3	CFS1/2CT26152J	KOA
R 4	CFS1/4CT26104J	KOA
R 5	CFS1/2CT26152J	KOA
R 6	CFS1/4CT26100J	KOA
R 7	CFS1/2CT26101J	KOA
R 8	CFS1/4CT26100J	KOA
< SPARK GAPS >		
SK 1	Y08UZ230B	SKO
SK 2	Y08UZ230B	SKO
SK 3	Y08UZ230B	SKO
SK 4	Y08UZ230B	SKO
< TERMINALS >		
TB 907	624091	AMP
< TEST POINTS >		
TP 1	IPS1163A	IRS
TP 2	IPS1163A	IRS
TP 3	IPS1163A	IRS
TP 4	IPS1163A	IRS
TP 5	IPS1163A	IRS

DEF BOARD (COMMON)
PP-906354

SYMBOL	PARTS CODE	MFD.
< CAPACITORS >		
C 101	EMVL350ADA100ME60G	NCH
C 102	EKMG250ELL101MF11	NCH
C 103	EMVY160ADA101MF55	NCH
C 104	EMVL350ADA100ME60G	NCH
C 105	EKMG250ELL101MF11	NCH
C 106	EMVY160ADA101MF55	NCH
C 107	EMVL350ADA100ME60G	NCH
C 108	EMVY160ADA101MF55	NCH
C 109	EMVY160ADA101MF55	NCH
C 110	GRM21BB11H104KA01	MUR
C 111	GRM21BB11H104KA01	MUR
C 112	GRM21BB11H104KA01	MUR
C 113	GRM21BB11H104KA01	MUR
C 114	GRM21BB11H104KA01	MUR
C 115	GRM21BB11H104KA01	MUR
C 116	EMVL160ADA470MF60	NCH
C 117	GRM21BB11H104KA01	MUR
C 118	EMVL160ADA470MF60	NCH
C 119	GRM21BB11H104KA01	MUR
C 120	EMVL160ADA470MF60	NCH
C 121	GRM21BB11H104KA01	MUR
C 122	EMVL160ADA470MF60	NCH
C 201	GRM1882C1H100JA01	MUR
C 202	EKMG250ELL102MJ20	NCH
C 203	GRM21BB11H104KA01	MUR
C 204	GRM40CH101J50PT	MUR
C 205	GRM40CH101J50PT	MUR
C 206	GRM40CH102J50PT	MUR
C 207	GRM40CH102J50PT	MUR
C 208	GRM21BB11H104KA01	MUR
C 209	GRM40CH101J50PT	MUR
C 210	GRM40CH101J50PT	MUR
C 211	GRM21BB11H104KA01	MUR
C 212	GRM188B11A154KA01D	MUR
C 213	GRM21BB11H104KA01	MUR
C 214	GRM216B11H822KA01	MUR
C 215	GRM21BB11H104KA01	MUR
C 216	ECQP1H103GZW	MAT
C 217	GRM188B11H222KA01	MUR
C 218	GRM40B103K50PT	MUR
C 220	GRM21BB11H104KA01	MUR
C 221	EMVL160ADA100MD60	NCH
C 222	EMVY160ADA220ME55G	NCH
C 223	EMVY160ADA101MF55	NCH
C 224	EMVL160ADA470MF60	NCH
C 225	GRM40CH101J50PT	MUR
C 226	GRM1882C1H180JA01	MUR
C 227	GRM21BB11H104KA01	MUR
C 228	EMVY160ADA101MF55	NCH
C 229	GRM21BB11H104KA01	MUR
C 301	GRM21BB11H104KA01	MUR
C 302	GRM40B103K50PT	MUR
C 303	EMVL160ADA470MF60	NCH
C 304	GRM21BB11H104KA01	MUR
C 305	GRM2192C1H681JA01	MUR
C 306	GRM21BB11H104KA01	MUR
C 307	GRM21BB11H104KA01	MUR
C 308	EKMG101ELL1R0ME11	NCH
C 401	EMVL350ADA100ME60G	NCH
C 402	ELXZ350ELL471MJ20	NCH
C 403	GRM40B103K50PT	MUR
C 404	GRM40B103K50PT	MUR
C 406	EMVL160ADA470MF60	NCH
C 407	ELXZ500ELL101MH12	NCH
C 408	ELXZ500ELL101MH12	NCH
C 409	ECQE2104JF3	MAT
C 410	ELXZ350ELL471MJ20	NCH
C 601	EKMG161ELL100MJC5	NCH
C 602	GRM21BB11H104KA01	MUR
C 603	ECQE2104JF3	MAT
C 604	GRM21BB11H104KA01	MUR
C 605	MPE0800J222	NSD
C 606	HM60SJYB471K	MITM
C 607	EKMG161ELL100MJC5	NCH
C 608	GRM21BB11H104KA01	MUR
C 609	EMVL160ADA470MF60	NCH
C 610	EMVL160ADA100MD60	NCH
C 611	GRM21BB11H104KA01	MUR
C 612	EMVL160ADA470MF60	NCH
C 613	GRM2162C1H151JA01	MUR
C 614	EKMG251ELL100MJ16	NCH
C 615	EKMG251ELL100MJ16	NCH
C 616	EKMG251ELL100MJ16	NCH
C 617	EKMG251ELL100MJ16	NCH
C 626	267M3502105MR	NCC
C 627	GRM21BB11H104KA01	MUR
C 628	ELXZ350ELL471MJ20	NCH
C 629	ELXZ350ELL471MJ20	NCH
C 635	GRM40B103K50PT	MUR
C 637	GRM2162C1H151JA01	MUR
C 645	GRM21BB11H104KA01	MUR
C 646	GRM21BB11H104KA01	MUR
C 647	GRM21BB11H104KA01	MUR
C 648	GRM21BB11H104KA01	MUR
C 651	GRM21BB11H104KA01	MUR
C 652	GRM21BB11H104KA01	MUR
C 653	GRM426B104K50PT	MUR
C 654	GRM426B104K50PT	MUR
C 655	EMVL160ADA470MF60	NCH
< CONNECTORS >		
CN 110	A210PA2R54DS71	HRS
CN 201	DF13A20DP1R25V26	HRS
CN 202	DF1BZ18DP2R5DSA	HRS
CN 203	DF1BZ10P2R5DSA	HRS
CN 204	DF1BZ2P2R5DSA	HRS
CN 205	DF1BZ8P2R5DSA	HRS
CN 250	DF1BZ4P2R5DSA	HRS
CN 901	3504301	AMP
CN 902	DF12P2R5DSA05	HRS
< DIODES >		
D 101	D2F605063	SND
D 102	D2F605063	SND
D 103	D2F605063	SND
D 104	D2F605063	SND
D 105	D2F605063	SND
D 106	D2F605063	SND
D 107	D2F605063	SND
D 108	HZM5R1NBTLE	RNES
D 109	1SS302TE85RF	TSB
D 110	1SS302TE85RF	TSB
D 111	1SS302TE85RF	TSB
D 112	PG1102WTR	STL
D 113	PG1102WTR	STL
D 114	PG1102WTR	STL
D 115	HZM5R1NBTLE	RNES
D 116	D2F605063	SND
D 117	D2F605063	SND
D 118	D2F605063	SND
D 119	D2F605063	SND
D 201	1SS300TE85RF	TSB
D 202	1SS302TE85RF	TSB
D 203	1SS302TE85RF	TSB
D 204	1SS301TE85RF	TSB
D 205	1SS294TE85RF	TSB
D 206	HZM6R2NBTLE	RNES
D 207	1SS301TE85RF	TSB
D 208	1SS301TE85RF	TSB
D 301	1SS302TE85RF	TSB
D 302	1SS301TE85RF	TSB
D 303	AA1102WTR	STL
D 304	1SS302TE85RF	TSB
D 305	1SS301TE85RF	TSB
D 306	AA1102WTR	STL
D 307	1SS301TE85RF	TSB

SYMBOL		PARTS CODE	MFD.
D	308	AA1102WTR	STL
D	401	DFH10TG	SYO
D	402	DFH10TG	SYO
D	601	HZM2R0NBTLE	RNES
D	602	1SS300TE85RF	TSB
D	603	DFH10TG	SYO
D	604	1SS302TE85RF	TSB
D	605	1SS300TE85RF	TSB
D	606	1SS82TAE	HIT
D	607	1SS82TAE	HIT
D	608	1SS82TAE	HIT
D	609	HZ242TDE	RNES
D	612	5VUZ52F	TSB
D	613	1SS300TE85RF	TSB
D	614	DFH10TG	SYO
D	615	DFH10TG	SYO
D	616	1SS301TE85RF	TSB
D	617	DFH10TG	SYO
D	618	D2F605063	SND
D	619	D2F605063	SND
D	620	1SS301TE85RF	TSB
D	621	1SS300TE85RF	TSB
D	622	1SS300TE85RF	TSB
D	623	1SS301TE85RF	TSB

< CONNECTORS >

SYMBOL		PARTS CODE	MFD.
EL	101	009067033000806-A	ELC
EL	101	009067020000807-A	ELC

< INTEGRATED CIRCUITS >

SYMBOL		PARTS CODE	MFD.
IC	101	NJM7812FASHPZZZB	SJRC
IC	102	NJM7912FASHPZZZB	SJRC
IC	103	NJM7805FASHPZZZB	SJRC
IC	104	NJU3718GTE1SHPZZZ	SJRC
IC	105	NJM4558MTE1SHPZZZ	SJRC
IC	106	NJM4558MTE1SHPZZZ	SJRC
IC	201	TDA4856V6	PHI
IC	202	UPC393G2E2A	NEC
IC	203	SN74AHC1GU04DBVR	TEX
IC	204	TL7700CPSETAPL	TEX
IC	205	TL431CLPRE3	TEX
IC	301	TC74HC123AFELNEF	TSB
IC	302	TL082CPSETAPL	TEX
IC	401	LA7876NE	SYO
IC	402	TC4W53FUTE12LF	TSB
IC	601	TL082CPSETAPL	TEX
IC	602	NJM2904MTE1SHPZZZ	SJRC
IC	604	TC74HC123AFELNEF	TSB
IC	605	TC4W53FUTE12LF	TSB

< COILS >

SYMBOL		PARTS CODE	MFD.
L	101	TSL1112S101K1R4PF	TDK
L	102	TSL1112S101K1R4PF	TDK
L	103	TSL1112S101K1R4PF	TDK
L	601	90ST903228	TTE
L	604	90ST902865	TTE

< RESISTORS >

SYMBOL		PARTS CODE	MFD.
R	101	MOSX2C2R2J	KOA
R	102	MOSX2C1R5J	KOA
R	103	RMC1/10334FTP	KMY
R	104	RGC1/10C102DTP	KMY
R	105	RGC1/10C102DTP	KMY
R	106	RGC1/10C102DTP	KMY
R	107	RGC1/10C103DTP	KMY
R	108	RGC1/10C102DTP	KMY
R	109	RGC1/10C472DTP	KMY
R	110	RGC1/10C472DTP	KMY
R	111	RGC1/10C472DTP	KMY
R	112	RGC1/10C152DTP	KMY
R	113	RGC1/10C203DTP	KMY
R	114	RGC1/10C103DTP	KMY
R	115	RGC1/10C103DTP	KMY
R	116	RGC1/10C220DTP	KMY
R	117	RGC1/10C220DTP	KMY
R	118	RGC1/10C220DTP	KMY
R	119	RGC1/10C220DTP	KMY
R	120	RMC1100FTE	KMY
R	121	RMC1100FTE	KMY
R	122	RGC1/10C392DTP	KMY
R	123	RGC1/10C103DTP	KMY
R	124	RGC1/10C332DTP	KMY
R	125	RGC1/10C103DTP	KMY
R	126	RMC1/10104FTP	KMY
R	127	RGC1/10C103DTP	KMY
R	128	RMC1100FTE	KMY
R	129	RMC1/10JPTP	KMY
R	201	RGC1/10C152DTP	KMY
R	202	RGC1/10C101DTP	KMY
R	203	RGC1/10C101DTP	KMY
R	204	RGC1/10C102DTP	KMY
R	205	RGC1/10C102DTP	KMY
R	206	RGC1/10C101DTP	KMY
R	207	RGC1/10C101DTP	KMY
R	208	RGC1/10C101DTP	KMY
R	209	RGC1/10C332DTP	KMY
R	210	RGC1/10C332DTP	KMY
R	211	RGC1/10C223DTP	KMY
R	212	RGC1/10C332DTP	KMY
R	213	RGC1/10C102DTP	KMY
R	214	RGC1/10C561DTP	KMY
R	215	RGC1/10C512DTP	KMY
R	216	RGC1/10C221DTP	KMY
R	217	RGC1/10C221DTP	KMY
R	218	RGC1/10C272DTP	KMY
R	219	RGC1/10C622DTP	KMY
R	220	RMC1100FTE	KMY
R	221	RGC1/10C472DTP	KMY
R	222	RGC1/10C101DTP	KMY
R	223	RGC1/10C220DTP	KMY
R	224	RGC1/10C220DTP	KMY
R	225	RMC1/10224FTP	KMY
R	226	RGC1/10C333DTP	KMY
R	227	RGC1/10C222DTP	KMY
R	228	RGC1/10C332DTP	KMY
R	229	RGC1/10C103DTP	KMY
R	230	RGC1/10C472DTP	KMY
R	231	RGC1/10C101DTP	KMY
R	232	RGC1/10C103DTP	KMY
R	233	RMC1/10JPTP	KMY
R	234	RMC1/10JPTP	KMY
R	235	RGC1/10C332DTP	KMY
R	301	RGC1/10C473DTP	KMY
R	302	RMC1/10104FTP	KMY
R	303	RGC1/10C472DTP	KMY
R	304	RGC1/10C220DTP	KMY
R	305	RGC1/10C220DTP	KMY
R	306	RGC1/10C103DTP	KMY
R	307	RGC1/10C472DTP	KMY
R	308	RMC1/10104FTP	KMY
R	309	RGC1/10C473DTP	KMY
R	310	RMC1/10684FTP	KMY
R	311	RGC1/10C472DTP	KMY
R	312	RGC1/10C103DTP	KMY
R	313	RGC1/10C333DTP	KMY
R	314	RGC1/10C473DTP	KMY
R	315	RGC1/10C103DTP	KMY
R	316	RGC1/10C472DTP	KMY
R	401	RGC1/10C102DTP	KMY
R	402	RGC1/10C102DTP	KMY
R	403	RGC1/10C272DTP	KMY
R	404	MOSX2C1R5J	KOA
R	405	RGC1/10C183DTP	KMY
R	406	RGC1/10C271DTP	KMY
R	407	RGC1/10C332DTP	KMY
R	408	RGC1/10C222DTP	KMY
R	409	RGC1/10C272DTP	KMY
R	410	MOSX1C2R2J	KOA
R	411	MOSX1C2R2J	KOA
R	412	CFS1/2CT26221J	KOA
R	413	MOSX2C1R5J	KOA
R	601	RMC1/10JPTP	KMY
R	603	RGC1/10C103DTP	KMY
R	604	RGC1/10C103DTP	KMY
R	605	RGC1/10C103DTP	KMY
R	606	RGC1/10C103DTP	KMY
R	607	RGC1/10C103DTP	KMY
R	608	RMC1103FTE	KMY
R	609	RGC1/10C332DTP	KMY
R	610	RGC1/10C103DTP	KMY
R	611	RGC1/10C823DTP	KMY
R	612	RGC1/10C823DTP	KMY
R	613	RGC1/10C823DTP	KMY
R	614	MOS1C101J	KOA
R	615	MOS1C101J	KOA
R	616	RMC1104FTE	KMY
R	617	RMC1104FTE	KMY
R	618	RGC1/10C221DTP	KMY
R	619	RMC1/10JPTP	KMY
R	620	RGC1/10C103DTP	KMY
R	621	RMC1102FTE	KMY
R	622	RGC1/10C220DTP	KMY
R	623	RGC1/10C220DTP	KMY
R	624	RGC1/10C220DTP	KMY
R	625	RGC1/10C220DTP	KMY
R	626	RGC1/10C103DTP	KMY
R	627	RGC1/10C472DTP	KMY
R	628	RMC1/10154FTP	KMY
R	629	RGC1/10C101DTP	KMY
R	630	RGC1/10C103DTP	KMY
R	632	RGC1/10C103DTP	KMY
R	633	MOS1C471J	KOA
R	634	RGC1/10C472DTP	KMY
R	635	CFS1/2CT26473J	KOA
R	646	CFS1/2CT26100J	KOA
R	647	RGC1/10C103DTP	KMY
R	649	RGC1/10C682DTP	KMY
R	650	MOSX1C1R0J	KOA
R	653	RGC1/10C103DTP	KMY
R	654	RGC1/10C103DTP	KMY
R	656	RGC1/10C333DTP	KMY
R	657	RGC1/10C103DTP	KMY
R	658	RGC1/10C101DTP	KMY
R	660	RGC1/10C222DTP	KMY
R	661	RGC1/10C103DTP	KMY
R	662	RGC1/10C102DTP	KMY
R	664	MOS2C331J	KOA
R	665	RGC1/10C103DTP	KMY
R	666	RGC1/10C103DTP	KMY
R	667	RMC1/10334FTP	KMY
R	668	RMC1/10334FTP	KMY
R	669	RMC1/10334FTP	KMY
R	670	RMC1/10334FTP	KMY
R	671	RGC1/10C103DTP	KMY
R	672	RGC1/10C103DTP	KMY
R	673	RGC1/10C103DTP	KMY
R	674	RGC1/10C103DTP	KMY
R	675	RMC1/10334FTP	KMY
R	676	RMC1/10334FTP	KMY
R	677	RGC1/10C103DTP	KMY
R	678	RGC1/10C103DTP	KMY
R	679	RGC1/10C103DTP	KMY
R	680	RGC1/10C103DTP	KMY
R	681	CFS1/2CT52102J	KOA
R	682	CFS1/2CT52102J	KOA
R	683	MOS3C100J	KOA
R	684	RGC1/10C332DTP	KMY
R	685	RGC1/10C222DTP	KMY

DEF BOPARD (1517R)

PP-906355

< RELAYS >

SYMBOL	PARTS CODE	MFD.
RL 601	G2R1AEASIDC12V	OMR
RL 602	G2R1AEASIDC12V	OMR

< TRANSFORMERS >

SYMBOL	PARTS CODE	MFD.
T 601	90ST9028431	TTE
T 602	90ST902863	TTE
T 603	CT032	TDK

< TEST POINTS >

SYMBOL	PARTS CODE	MFD.
TP 101	EYF6CU	MAT
TP 102	EYF6CU	MAT
TP 103	EYF6CU	MAT
TP 104	EYF6CU	MAT
TP 105	EYF6CU	MAT
TP 106	EYF6CU	MAT
TP 201	EYF6CU	MAT
TP 202	EYF6CU	MAT
TP 203	EYF6CU	MAT
TP 204	EYF6CU	MAT
TP 205	EYF6CU	MAT
TP 206	EYF6CU	MAT
TP 207	EYF6CU	MAT
TP 208	EYF6CU	MAT
TP 209	EYF6CU	MAT
TP 210	EYF6CU	MAT
TP 211	EYF6CU	MAT
TP 301	EYF6CU	MAT
TP 401	EYF6CU	MAT
TP 501	EYF6CU	MAT
TP 601	EYF6CU	MAT
TP 602	EYF6CU	MAT
TP 603	EYF6CU	MAT
TP 604	EYF6CU	MAT
TP 605	EYF6CU	MAT
TP 606	EYF6CU	MAT

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 101	2SA812M6T1BA	NEC
TR 102	UNR221100L	MEC
TR 103	UNR221100L	MEC
TR 104	UNR221100L	MEC
TR 105	2SD1264AP	MEC
TR 106	2SB940AQ	MEC
TR 201	XN4601TX	MEC
TR 202	UNR221100L	MEC
TR 203	2SC1623T1BAL6L7	NEC
TR 204	XN4601TX	MEC
TR 205	UNR221100L	MEC
TR 206	UNR221100L	MEC
TR 301	UNR221100L	MEC
TR 302	UNR221100L	MEC
TR 303	UNR211100L	MEC
TR 304	2SC1623T1BAL6L7	NEC
TR 305	UNR221100L	MEC
TR 601	2SD1264AP	MEC
TR 602	2SC3631ZE1AZK	NEC
TR 603	2SK2952Q	TSB
TR 604	2SC1623T1BAL6L7	NEC
TR 605	2SK209901L	FJE
TR 606	2SK2837Q	TSB
TR 609	2SC5144F	TSB
TR 610	2SC1623T1BAL6L7	NEC
TR 613	UNR221100L	MEC
TR 614	UNR221100L	MEC
TR 615	UNR221100L	MEC
TR 616	UNR221100L	MEC
TR 617	2SK2508F	TSB
TR 618	2SK2508F	TSB
TR 619	2SK2508F	TSB
TR 620	UNR221100L	MEC
TR 621	UNR221100L	MEC
TR 622	2SK2508F	TSB
TR 623	2SK2508F	TSB
TR 624	2SK2508F	TSB
TR 625	UNR221100L	MEC
TR 626	UNR221100L	MEC
TR 627	2SD1264AP	MEC
TR 628	2SB940AP	MEC

< VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 601	ST4ETB503	CPL
VR 602	GF063UT2B2K	COS

< CAPACITORS >

SYMBOL	PARTS CODE	MFD.
C 618	EMVK160ADA471MJA0	NCH
C 619	EMVL160ADA100MD60	NCH
C 620	GRM40CH101J50PT	MUR
C 621	GRM21BB11H104KA01	MUR
C 622	DKRG1800HP562JS1	SNEC
C 624	DKRG1800HP472JS1	SNEC
C 636	GRM40CH471J50PT	MUR
C 639	MPE0800J104	NSD
C 640	MPE0800J104	NSD
C 641	MPE0250J105	NSD
C 642	MPE0250J105	NSD
C 643	MPE0250J105	NSD
C 644	MPE0250J334	NSD
C 649	MPE0250J154	NSD
C 650	MPE0400J224	NSD

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 610	1SS294TE85RF	TSB

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 603	TL7700CPSETAPL	TEX

< COILS >

SYMBOL	PARTS CODE	MFD.
L 602	90ST902866	TTE
L 603	90ST903261	TTE

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 130	RGC1/10C222DTP	KMY
R 131	RGC1/10C392DTP	KMY
R 636	MOSX3C1R0J	KOA
R 637	RMC1102FTE	KMY
R 638	RGC1/10C222DTP	KMY
R 639	RGC1/10C222DTP	KMY
R 640	RGC1/10C222DTP	KMY
R 642	RMC1/10JPTP	KMY
R 643	RMC1/10104FTP	KMY
R 645	RMC1/10JPTP	KMY
R 655	RGC1/10C222DTP	KMY
R 663	RGC1/10C682DTP	KMY

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 607	UNR221100L	MEC
TR 608	2SK1342E	RNES

HV BOARD (1517)

1-N64056/1-N64057

< CAPACITORS >

SYMBOL	PARTS CODE	MFD.
C 1	EKMG630ETC100ME11D	NCH
C 2	MPE1600J182	NSD
C 3	MPE1600J182	NSD
C 4	MPE0250J103	NSD
C 5	EKXG161ELL680MK20S	NCH
C 6	MMH 0250K 225	NSD
C 7	EKMG630ETC100ME11D	NCH
C 8	EKMG101ELL4R7ME11D	NCH
C 12	ECQV 1H 104JL3	MAT
C 13	ECQV 1H 104JL3	MAT
C 14	ECQV 1H 104JL3	MAT
C 15	ECQV 1H 154JL3	MAT

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CN 208	DF1BZ-8P-2.5DSA	HRS

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 1	FMG-G3CS	SKN
D 2	FMG-G3CS	SKN
D 3	D2L40-7060	SND
D 4	D2L40-7060	SND
D 5	1SS133T-77	ROM
D 6	1SS133T-77	ROM
D 7	1SS133T-77	ROM
D 8	1SS133T-77	ROM
D 13	1SS133T-77	ROM
D 17	D1NL40-5070	SND
D 18	HZS15TD-E	RNES

<HV CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 1	MSPAD402	MUR

<COILS >

SYMBOL	PARTS CODE	MFD.
L 1	TSL0709S-101KR66-PF	TDK
L 2	TSL1112S-100M3R7-PF	TDK
L 3	TSL1112S-101K1R4-PF	TDK

<RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 1	MOSX3CL20AR22J	KOA
R 2	MOS2CL15A331J	KOA
R 3	CFS1/2C T26 124J	KOA
R 4	CFS1/4C T26 103J	KOA
R 5	CFS1/4C T26 224J	KOA
R 6	CFS1/4C T26 334J	KOA
R 7	CFS1/4C T26 103J	KOA
R 8	CFS1/4C T26 334J	KOA
R 9	CFS1/4C T26 334J	KOA
R 21	CFS1/4C T26 102J	KOA
R 22	CFS1/2C T26 101J	KOA
R 26	CFS1/4C T26 562J	KOA
R 27	CFS1/4C T26 103J	KOA
R 28	CFS1/4C T26 223J	KOA
R 29	CFS1/4C T26 473J	KOA
R 30	CFS1/4C T26 101J	KOA
R 31	CFS1/4C T26 330J	KOA
R 32	CFS1/4C T26 472J	KOA

<TRANSFOMERS >

SYMBOL	PARTS CODE	MFD.
T 1	ST-902822	MUR

<TRANSISTORSS >

SYMBOL	PARTS CODE	MFD.
TR 1	2SK1120(F)	TSB
TR 5	BA1L4M-T-A	NEC
TR 6	BA1L4M-T-A	NEC
TR 7	2SC1384-R 2SC13840R	MEC
TR 8	2SA684-R 2SA06840R	MEC

<VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 1	CT6ETH 100KΩ (104)	CPL
VR 2	CT6ETH 100KΩ (104)	CPL

< OTHERS >

SYMBOL	PARTS CODE	MFD.
SK 1	GD-626 1.5KV ±20%	NHD

POWER USA BOARD

1-N64012/1-N64013

< CAPACITORS >

SYMBOL	PARTS CODE	MFD.
C 1	EKMG101ELL101MJ20S	NCH
C 2	EKMG500ETC100ME11D	NCH
C 3	ECQU 2A 474ML	MAT
C 4	ECQU 2A 474ML	MAT
C 5	ECKDNA222ME	MAT
C 6	ECKDNA222ME	MAT
C 7	ECKDNA222ME	MAT
C 8	MMH 0400K 473	NSD
C 9	ECQV 1 473 JM3	MAT
C 10A	EKMM201VSN102MR35S	NCH
C 10B	EKMM201VSN102MR35S	NCH
C 11	MMH 0400K 473	NSD
C 12	ECQV 1 473 JM3	MAT
C 13	EKMG401ELL4R7MJ16S	NCH
C 14	EKMG500ETC1R0ME11D	NCH
C 15	EKMG401ELL4R7MJ16S	NCH
C 16	EKMG500ETC1R0ME11D	NCH
C 25	MMH 0400K 473	NSD
C 26	ECKA3D182KBP	MAT
C 27	EKMG250ETC101MF11D	NCH
C 28	ECQV 1H 104JL3	MAT
C 29	RT-HE40 TKSL 680K	MITM
C 30A	ELXV350ELL221MH20D	NCH
C 31	ECQB 1H 472KF3	MAT
C 32	ELXV101ELL101MJ30S	NCH
C 33	EKMG251ELL100MJ16S	NCH
C 34	EKMG251ELL100MJ16S	NCH
C 35	EKXG201ELL331MMP1S	NCH
C 36	ECQE 2 473JF3	MAT
C 38A	ELXV160ELL222MK30S	NCH
C 38B	ELXV160ELL222MK30S	NCH
C 39	ELXV160ELL122MJ30S	NCH
C 40	ECQB 1H 103JF3	MAT
C 41A	ELXV250ELL222MK40S	NCH
C 41B	ELXV250ELL222MK40S	NCH
C 42	ELXV250ELL821MJ30S	NCH
C 43	ELXV250ELL222MK40S	NCH
C 44	ELXV250ELL821MJ30S	NCH
C 45	MPE0630J104	NSD
C 46	ECQV 1H 104JL3	MAT
C 47	ELXV350ELL820MF15D	NCH
C 48	ECQV 1H 104JL3	MAT
C 49	ECQB 1H 103JF3	MAT
C 51	ECQV 1H 104JL3	MAT
C 52	ECQV 1H 104JL3	MAT
C 53	MMH 0400K 473	NSD
C 54	EKXG201ELL331MMP1S	NCH
C 55	ECQB 1H 103JF3	MAT
C 56	ECQB 1H 103JF3	MAT
C 57	ECQV 1H 104JL3	MAT
C 58	ECQE 2 223KF	MAT
C 60	ECQE 2 104JF3	MAT
C 61	EKMG250ETC101MF11D	NCH

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CN 101	03ME3D(M)	DLTD
CN 206	DF1BZ-16DP-2.5DSA	HRS
CN 207	DF1BZ-22DP-2.5DSA	HRS
CN 911	DF1BZ-4P-2.5DSA	HRS
CN 921	350428-1	AMP

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 1	S1WB(A)20-7101	SND
D 2	RD12FB-AZ	NEC
D 3	D1N60-5060	SND
D 4	D1N60-5060	SND
D 5	D1N60-5060	SND
D 6	S10VB60-5000	SND
D 7	D1N60-5060	SND
D 8	D1N60-5060	SND
D 11	D1N60-5060	SND

POWER EUR BOARD
1-N64014/1-N64015

SYMBOL	PARTS CODE	MFD.
D 12	D1N60-5060	SND
D 13	1NU41 Q	TSB
D 14	1NU41 Q	TSB
D 17	D1NL20U-5060	SND
D 18	D1NL20U-5060	SND
D 19	S2L60-5000	SND
D 20	FMC-G28S	SKN
D 21	SF10SC9-7100	SND
D 22	SF10LC20U-7100	SND
D 23	D10LC20UR-7100	SND
D 24	1NU41 Q	TSB
D 25	SF8L60USM-7100	SND
D 26	HZS5A1TD-E	HIT

< FUSES >

SYMBOL	PARTS CODE	MFD.
F 101	50T 040H	HLND

< FILTERS >

SYMBOL	PARTS CODE	MFD.
FL 1	LFZ35V09	DLTD

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 1	STR-83145	SKN
IC 2	STR-83145	SKN
IC 3	MR2940-7109F12	SND
IC 4	PC123FY2J00F	SRP
IC 5	AN1431T-TA	MEC
IC 6	FA5510P-D1	FJE
IC 7	PC123FY2J00F	SRP
IC 8	PC123FY2J00F	SRP
IC 9	PC123FY2J00F	SRP
IC 10	AN1431T-TA	MEC
IC 11	AN1431T-TA	MEC
IC 12	AN1431T-TA	MEC

< COILS >

SYMBOL	PARTS CODE	MFD.
L 3	J1/6ZCT26	KOA
L 4	TSL1112S-101K1R4-PF	TDK
L 5	ST4-N64076	TTE
L 8	TSL1112S-470K2R1-PF	TDK
L 11	TSL1112S-470K2R1-PF	TDK
L 14	TSL1112S-470K2R1-PF	TDK

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 1	CFS1/4C T26 223J	KOA
R 2	CFS1/2C T26 472J	KOA
R 3	CFS1/2C T26 394J	KOA
R 4	MEG05N120JU142	MCR
R 5	CFS1/2C T26 244J	KOA
R 6	CFS1/2C T26 244J	KOA
R 7	RF2CL20A 100J	KOA
R 8	RF50CL12.5A 4R7J	KOA
R 9	RF50CL12.5A 100J	KOA
R 10	RF2CL20A 100J	KOA
R 11	RF50CL12.5A 4R7J	KOA
R 12	RF50CL12.5A 100J	KOA
R 31	MOS2C L15A 104J	KOA
R 32	MOS2C L15A 104J	KOA
R 33	MOSX3C L20A R47J	KOA
R 34	MPC70 0.1ΩK	FFD
R 36	J1/6ZCT26	KOA
R 37	CFS1/4C T26 223J	KOA
R 39	CFS1/4C T26 223J	KOA
R 40	CFS1/4C T26 221J	KOA
R 42	CFS1/4C T26 472J	KOA
R 44	J1/6ZCT26	KOA
R 45	CFS1/4C T26 222J	KOA
R 46	CFS1/4C T26 102J	KOA
R 47	CFS1/4C T26 473J	KOA
R 48	CFS1/4C T26 473J	KOA
R 49	CFS1/4C T26 222J	KOA
R 50	CFS1/2C T26 750J	KOA
R 51	CFS1/2C T26 750J	KOA
R 52	CFS1/4C T26 102J	KOA
R 53	CFS1/4C T26 473J	KOA
R 54	CFS1/2C T26 101J	KOA
R 55	MPC70 0.47ΩK	FFD
R 56	CFS1/2C T26 471J	KOA
R 57A	CFS1/4C T26 104J	KOA
R 58	CFS1/4C T26 151J	KOA
R 59	CFS1/4C T26 101J	KOA
R 60	CFS1/4C T26 330J	KOA
R 61	CFS1/4C T26 473J	KOA
R 62	SPR2CL15A 184J	KOA
R 63	SPR2CL15A 184J	KOA
R 65	CFS1/4C T26 154J	KOA
R 66	CFS1/4C T26 332J	KOA
R 67	CFS1/4C T26 222J	KOA
R 68	CFS1/4C T26 102J	KOA
R 69	CFS1/4C T26 154J	KOA
R 70	CFS1/4C T26 332J	KOA
R 71	CFS1/4C T26 152J	KOA
R 72	CFS1/4C T26 102J	KOA
R 73	CFS1/4C T26 222J	KOA
R 74	CFS1/4C T26 224J	KOA
R 75	CFS1/4C T26 152J	KOA
R 76	MOS3CL20A 470J	KOA
R 77	CFS1/4C T26 103J	KOA
R 78	CFS1/4C T26 103J	KOA
R 79	CFS1/4C T26 473J	KOA
R 80	CFS1/4C T26 153J	KOA
TH 1	PTDAA1BF140M200	MUR
TH 2	PTDAA1BF5R0M100	MUR

< RELAYS >

SYMBOL	PARTS CODE	MFD.
RL 1	ALK3213	MAD
RL 2	ALK3213	MAD
RL 3	ALK3213	MAD

< SWITCHESS >

SYMBOL	PARTS CODE	MFD.
S 101	AAPY2211	MAD

< TRANSFORMERS >

SYMBOL	PARTS CODE	MFD.
T 1	ST4-N18059-3	YKTD
T 2	ST4-N51064-01	TTE
T 3	ST4-N51063	TTE

<TEST POINTS >

SYMBOL	PARTS CODE	MFD.
TP 1	IPS-1163A	IRS
TP 2	IPS-1163A	IRS
TP 3	IPS-1163A	IRS
TP 4	IPS-1163A	IRS
TP 5	IPS-1163A	IRS
TP 6	IPS-1163A	IRS
TP 7	IPS-1163A	IRS

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 1	2SD1264-AP	MEC
TR 4	2SD1407A-Y F	TSB
TR 5	BA1L4M-T-A	NEC
TR 6	BA1L4M-T-A	NEC
TR 7	2SD25980RA	MEC
TR 8	2SK2611 F	TSB

< VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 1	CT6ETV 20KΩ	CPL

< CAPACITORS >

SYMBOL	PARTS CODE	MFD.
C 1	EKMG101ELL101MJ20S	NCH
C 2	EKMG500ETC100ME11D	NCH
C 3	ECQU 2A 474ML	MAT
C 4	ECQU 2A 474ML	MAT
C 5	ECKDNA222ME	MAT
C 6	ECKDNA222ME	MAT
C 7	ECKDNA222ME	MAT
C 8	FTACD631V474JHLGZ0	NCH
C 9	FTACD631V474JHLGZ0	NCH
C 10	EKMM451VSN391MA40S	NCH
C 11	MMH 0400K 473	NSD
C 12	ECQV 1 473 JM3	MAT
C 13	EKMG401ELL4R7MJ16S	NCH
C 14	EKMG500ETC1R0ME11D	NCH
C 15	ECQB 1H 103JF3	MAT
C 16	ECQP 1H 471JZ3	MAT
C 17	ECQV 1H 104JL3	MAT
C 19	ECQV 1H 155JL3	MAT
C 20	HE50 SJSL 101J	MITM
C 21	ECQB 1H 102JF3	MAT
C 22	ECQV 1H 224JL3	MAT
C 23	ECQB 1H 223KF	MAT
C 25	MMH 0400K 473	NSD
C 26	ECKA3D182KBP	MAT
C 27	EKMG250ETC101MF11D	NCH
C 28	ECQV 1H 104JL3	MAT
C 29	RT-HE40 TKSL 680K	MITM
C 30A	ELXV350ELL221MH20D	NCH
C 30B	ELXV350ELL820MF15D	NCH
C 31	ECQB 1H 472KF3	MAT
C 32	ELXV101ELL101MJ30S	NCH
C 33	EKMG251ELL100MJ16S	NCH
C 34	EKMG251ELL100MJ16S	NCH
C 35	EKXG201ELL331MMP1S	NCH
C 36	ECQE 2 473JF3	MAT
C 38A	ELXV160ELL222MK30S	NCH
C 38B	ELXV160ELL222MK30S	NCH
C 39	ELXV160ELL122MJ30S	NCH
C 40	ECQB 1H 103JF3	MAT
C 41A	ELXV250ELL222MK40S	NCH
C 41B	ELXV250ELL222MK40S	NCH
C 42	ELXV250ELL821MJ30S	NCH
C 43	ELXV250ELL222MK40S	NCH
C 44	ELXV250ELL821MJ30S	NCH
C 45	MPE0630J104	NSD
C 46	ECQV 1H 104JL3	MAT
C 47	ELXV350ELL820MF15D	NCH
C 48	ECQV 1H 104JL3	MAT
C 49	ECQB 1H 103JF3	MAT
C 51	ECQV 1H 104JL3	MAT
C 52	ECQV 1H 104JL3	MAT
C 53	MMH 0400K 473	NSD
C 54	EKXG201ELL331MMP1S	NCH
C 55	ECQB 1H 103JF3	MAT
C 56	ECQB 1H 103JF3	MAT
C 57	ECQV 1H 104JL3	MAT
C 58	ECQE 2 223KF	MAT
C 60	ECQE 2 104JF3	MAT
C 61	EKMG250ETC101MF11D	NCH

< CONNECTORS >

SYMBOL	PARTS CODE	MFD.
CN 101	03ME3D(M)	DLTD
CN 206	DF1BZ-16DP-2.5DSA	HRS
CN 207	DF1BZ-22DP-2.5DSA	HRS
CN 911	DF1BZ-4P-2.5DSA	HRS
CN 921	350428-1	AMP

< DIODES >

SYMBOL	PARTS CODE	MFD.
D 1	S1WB(A)20-7101	SND
D 2	RD12FB-AZ	NEC
D 3	D1N60-5060	SND

SYMBOL	PARTS CODE	MFD.
D 4	D1N60-5060	SND
D 5	D1N60-5060	SND
D 6	S10VB60-5000	SND
D 7	D1NS4-5060	SND
D 8	D1NS4-5060	SND
D 9	SF8L60USM-7100	SND
D 10	SF8L60USM-7100	SND
D 11	D1N60-5060	SND
D 12	D1N60-5060	SND
D 13	1NU41 Q	TSB
D 14	1NU41 Q	TSB
D 17	D1NL20U-5060	SND
D 18	D1NL20U-5060	SND
D 19	S2L60-5000	SND
D 20	FMC-G28S	SKN
D 21	SF10SC9-7100	SND
D 22	SF10LC20U-7100	SND
D 23	D10LC20UR-7100	SND
D 24	1NU41 Q	TSB
D 25	SF8L60USM-7100	SND
D 26	HZS5A1TD-E	HIT

< FUSES >

SYMBOL	PARTS CODE	MFD.
F 101	50T 040H	HLND

< FILTERS >

SYMBOL	PARTS CODE	MFD.
FL 1	ELF-18D850I	MAT

< INTEGRATED CIRCUITS >

SYMBOL	PARTS CODE	MFD.
IC 1	STR-83145	SKN
IC 2	FA5502P	FJE
IC 3	MR2940-7109F12	SND
IC 4	PC123FY2J00F	SRP
IC 5	AN1431T-TA	MEC
IC 6	FA5510P-D1	FJE
IC 7	PC123FY2J00F	SRP
IC 8	PC123FY2J00F	SRP
IC 9	PC123FY2J00F	SRP
IC 10	AN1431T-TA	MEC
IC 11	AN1431T-TA	MEC
IC 12	AN1431T-TA	MEC

< COILS >

SYMBOL	PARTS CODE	MFD.
L 1	ST4-N18121	TTE
L 2	ST4-N18121	TTE
L 3	J1/6ZCT26	KOA
L 4	TSL1112S-101K1R4-PF	TDK
L 5	ST4-N64076	TTE
L 8	TSL1112S-470K2R1-PF	TDK
L 11	TSL1112S-470K2R1-PF	TDK
L 14	TSL1112S-470K2R1-PF	TDK

< RESISTORS >

SYMBOL	PARTS CODE	MFD.
R 1	CFS1/4C T26 223J	KOA
R 2	CFS1/2C T26 472J	KOA
R 3	CFS1/2C T26 394J	KOA
R 4	MEG05N120JU142	MCR
R 5	MOS1CL12.5A 470J	KOA
R 6	MOS1/2CL10A 102J	KOA
R 7	MOS1CL12.5A 470J	KOA
R 8	MOS1/2CL10A 102J	KOA
R 9	MPC71 0.18ΩK	FFD
R 10	RF2CL20A 100J	KOA
R 11	RF50CL12.5A 4R7J	KOA
R 12	RF50CL12.5A 100J	KOA
R 13A	MFS1/4CCT26A 1203F	KOA
R 13B	MFS1/4CCT26A 1003F	KOA
R 14	MFS1/4CCT26A 1503F	KOA
R 15	MFS1/4CCT26A 2201F	KOA
R 16	CFS1/4C T26 220J	KOA

SYMBOL	PARTS CODE	MFD.
R 17	MFS1/4CC 3302F	KOA
R 18	CFS1/4C T26 103J	KOA
R 19	CFS1/4C T26 105J	KOA
R 20	CFS1/4C T26 474J	KOA
R 21	CFS1/4C T26 223J	KOA
R 22	MF1/2CCT52A 2203F	KOA
R 23	MF1/2CCT52A 2203F	KOA
R 24	MFS1/4CCT26A 1003F	KOA
R 25	MFS1/4CCT26A 2201F	KOA
R 26	MF1/2CCT52A 2203F	KOA
R 27A	MFS1/4CCT26A 1203F	KOA
R 27B	MF1/2CCT52A 2203F	KOA
R 28	MFS1/4CCT26A 2201F	KOA
R 29	CFS1/4C T26 223J	KOA
R 30	CFS1/4C T26 223J	KOA
R 31	MOS2C L15A 104J	KOA
R 32	MOS2C L15A 104J	KOA
R 33	MOSX3C L20A R47J	KOA
R 34	MPC70 0.1ΩK	FFD
R 36	J1/6ZCT26	KOA
R 37	CFS1/4C T26 223J	KOA
R 39	CFS1/4C T26 223J	KOA
R 40	CFS1/4C T26 221J	KOA
R 42	CFS1/4C T26 472J	KOA
R 44	J1/6ZCT26	KOA
R 45	CFS1/4C T26 222J	KOA
R 46	CFS1/4C T26 102J	KOA
R 47	CFS1/4C T26 473J	KOA
R 48	CFS1/4C T26 473J	KOA
R 49	CFS1/4C T26 222J	KOA
R 50	CFS1/2C T26 750J	KOA
R 51	CFS1/2C T26 750J	KOA
R 52	CFS1/4C T26 102J	KOA
R 53	CFS1/4C T26 473J	KOA
R 54	CFS1/2C T26 101J	KOA
R 55	MPC70 0.47ΩK	FFD
R 56	CFS1/2C T26 471J	KOA
R 57A	CFS1/4C T26 104J	KOA
R 58	CFS1/4C T26 151J	KOA
R 59	CFS1/4C T26 101J	KOA
R 60	CFS1/4C T26 330J	KOA
R 61	CFS1/4C T26 473J	KOA
R 62	SPR2CL15A 184J	KOA
R 63	SPR2CL15A 184J	KOA
R 65	CFS1/4C T26 154J	KOA
R 66	CFS1/4C T26 332J	KOA
R 67	CFS1/4C T26 222J	KOA
R 68	CFS1/4C T26 102J	KOA
R 69	CFS1/4C T26 154J	KOA
R 70	CFS1/4C T26 332J	KOA
R 71	CFS1/4C T26 152J	KOA
R 72	CFS1/4C T26 102J	KOA
R 73	CFS1/4C T26 222J	KOA
R 74	CFS1/4C T26 224J	KOA
R 75	CFS1/4C T26 152J	KOA
R 76	MOS3CL20A 470J	KOA
R 77	CFS1/4C T26 103J	KOA
R 78	CFS1/4C T26 103J	KOA
R 79	CFS1/4C T26 473J	KOA
R 80	CFS1/4C T26 153J	KOA
TH 1	PTDAA1BF140M200	MUR
TH 2	PTDAA1BF5R0M100	MUR

< RELAYS >

SYMBOL	PARTS CODE	MFD.
RL 2	ALK3213	MAD
RL 3	ALK3213	MAD

< SWITCHESS >

SYMBOL	PARTS CODE	MFD.
S 101	AAPY2211	MAD

< TRANSFORMERS >

SYMBOL	PARTS CODE	MFD.
T 1	ST4-N18059-3	YKTD
T 2	ST4-N51064-01	TTE
T 3	ST4-N51063	TTE

< TEST POINTS >

SYMBOL	PARTS CODE	MFD.
TP 1	IPS-1163A	IRS
TP 2	IPS-1163A	IRS
TP 3	IPS-1163A	IRS
TP 4	IPS-1163A	IRS
TP 5	IPS-1163A	IRS
TP 6	IPS-1163A	IRS
TP 7	IPS-1163A	IRS

< TRANSISTORS >

SYMBOL	PARTS CODE	MFD.
TR 1	2SD1264-AP	MEC
TR 2	2SK2698 F	TSB
TR 3	2SK2698 F	TSB
TR 4	2SD1407A-Y F	TSB
TR 5	BA1L4M-T-A	NEC
TR 6	BA1L4M-T-A	NEC
TR 7	2SD25980RA	MEC
TR 8	2SK2611 F	TSB

< VARIABLE RESISTORS >

SYMBOL	PARTS CODE	MFD.
VR 1	CT6ETV 20KΩ	CPL

FRONT PANEL BOARD (COMMON)

PP-906528

SYMBOL	PARTS CODE	MFD.
< CONNECTORS >		
CN 223	HIF3FC34PA2R54DSA-A	HRS
< DIODES >		
D 1	SLC22MG	ROM
D 1	LH510	SNGS
D 2	SLC22MG	ROM
D 2	LH510	SNGS
D 3	SLC22MG	ROM
D 3	LH510	SNGS
D 4	SLC22MG	ROM
D 4	LH510	SNGS
D 5	SLC22MG	ROM
D 5	LH510	SNGS
D 6	SLC22MG	ROM
D 6	LH510	SNGS
D 7	SLC22MG	ROM
D 7	LH510	SNGS
D 8	SLC22MG	ROM
D 8	LH510	SNGS
D 9	SLC22MG	ROM
D 9	LH510	SNGS
D 10	SLC22MG	ROM
D 10	LH510	SNGS
D 11	SLC22MG	ROM
D 11	LH510	SNGS
D 12	SLC22MG	ROM
D 12	LH510	SNGS
D 13	SLC22MG	ROM
D 13	LH510	SNGS
D 14	SLC22MG	ROM
D 14	LH510	SNGS
D 15	SLC22MG	ROM
D 15	LH510	SNGS
D 16	SLC22YY	ROM
D 16	LH510	SNGS
D 17	SLC22YY	ROM
D 17	LH510	SNGS
D 18	SLC22YY	ROM
D 18	LH510	SNGS
D 19	SLC22YY	ROM
D 19	LH510	SNGS
D 20	SLC22MG	ROM
D 20	LH510	SNGS
D 21	SLC22MG	ROM
D 21	LH510	SNGS
D 22	SLC22MG	ROM
D 22	LH510	SNGS
< RESISTORS >		
R 1	CFS1/4C122J	KOA
< SWITCHES >		
S 9	SKHHAK	ALP
S 10	SKHHAK	ALP
S 11	SKHHAK	ALP
S 12	SKHHAK	ALP
S 17	SKHHAK	ALP
S 18	SKHHAK	ALP
S 19	SKHHAK	ALP
S 20	SKHHAK	ALP
S 25	SKHHAK	ALP
S 26	SKHHAK	ALP
S 27	SKHHAK	ALP
S 28	SKHHAK	ALP
S 33	SKHHAK	ALP
S 34	SKHHAK	ALP
S 35	SKHHAK	ALP
S 36	SKHHAK	ALP

FRONT LEFT BOARD (COMMON)

PP-906526

SYMBOL	PARTS CODE	MFD.
< CAPACITORS >		
C 1	GRM188B11E104KA01	MUR
C 2	GRM188B11E104KA01	MUR
< CONNECTORS >		
CN 922	DF1BZ4P2R5DSA	HRS
CN 935	DF1BZ10P2R5DSA	HRS
< DIODES >		
D 1	SLC22VR	ROM
D 1	LH510	SNGS
D 2	SLC22VR	ROM
D 2	LH510	SNGS
D 3	SLC22MG	ROM
D 3	LH510	SNGS
< INTEGRATED CIRCUITS >		
IC 2	NJM78L05UATE1SHPZ	SJRC
< RESISTORS >		
R 1	RGC1/10C221DTP	KMY
R 2	RGC1/10C331DTP	KMY
R 3	RGC1/10C152DTP	KMY
R 4	RGC1/10C681DTP	KMY
R 5	RGC1/10C122DTP	KMY
R 6	RGC1/10C122DTP	KMY
R 7	RGC1/10C821DTP	KMY
R 8	RGC1/10C152DTP	KMY
R 9	RGC1/10C101DTP	KMY
R 10	RGC1/10C101DTP	KMY
R 11	RGC1/10C101DTP	KMY
R 12	RGC1/10C151DTP	KMY
< SWITCHES >		
S 1	DPL4200	FJS
S 1	MD8050103	FJS
S 1	MD0340162	FJS
S 2	DP4200	FJS
S 2	MD8050109	FJS
S 2	MD0340162	FJS
< TRANSISTORS >		
TR 1	2SC4154T1111G	MIT
TR 2	2SC4154T1111G	MIT

CONTROL BOARD (1517R)

PP-906530

SYMBOL	PARTS CODE	MFD.
< CAPACITORS >		
C 1	EMVY160ADA101MF55	NCH
C 2	GRM188B11E104KA01	MUR
C 3	EMVY160ADA101MF55	NCH
C 4	GRM188B11E104KA01	MUR
C 5	EMVY160ADA101MF55	NCH
C 6	EMVL160ADA470MF60	NCH
C 7	GRM188B11E104KA01	MUR
C 8	GRM188B11E104KA01	MUR
C 9	EMVL160ADA470MF60	NCH
C 10	GRM188B11E104KA01	MUR
C 11	GRM188B11E104KA01	MUR
C 12	GRM188B11E104KA01	MUR
C 13	GRM188B11E104KA01	MUR
C 14	GRM188B11E104KA01	MUR
C 15	GRM188B11E104KA01	MUR
C 16	GRM188B11E104KA01	MUR
C 17	GRM188B11E104KA01	MUR
C 18	GRM188B11E104KA01	MUR
C 19	GRM188B11E104KA01	MUR
C 20	GRM188B11E104KA01	MUR
C 21	GRM188B11E104KA01	MUR
< CONNECTORS >		
CN 219	HIF3BA40PA2R54DS7	HRS
CN 220	A3B10PA2DSA71	HRS
CN 221	90C4N59046	SKR
CN 920	TCS768801201	HOS
< DIODES >		
D 1	1SS123A7T1BA	NEC
D 2	1SS123A7T1BA	NEC
D 3	1SS123A7T1BA	NEC
D 4	1SS123A7T1BA	NEC
D 5	1SS123A7T1BA	NEC
D 6	1SS123A7T1BA	NEC
D 7	1SS123A7T1BA	NEC
D 8	1SS123A7T1BA	NEC
D 9	1SS123A7T1BA	NEC
D 10	1SS123A7T1BA	NEC
D 11	1SS123A7T1BA	NEC
D 12	1SS123A7T1BA	NEC
D 13	1SS181TE85LF	TSB
< INTEGRATED CIRCUITS >		
IC 1	TC74HC148AFF	TSB
IC 2	TC74HC148AFF	TSB
IC 3	SN74AHC367PWR	TEX
IC 4	SN74LV138APWR	TEX
IC 5	SN74AHC367PWR	TEX
IC 6	NJM78L08UASHPZZZB	SJRC
IC 7	SN74LV574APWR	TEX
IC 8	SN74LV574APWR	TEX
IC 9	SN74LV574APWR	TEX
IC 10	SN74LV574APWR	TEX
IC 11	SN74LV574APWR	TEX
IC 12	SN74LV574APWR	TEX
< COILS >		
L 1	TSL0709S101KR66PF	TDK
< RESISTORS >		
R 1	RGC1/16C223DTP	KMY
R 2	RGC1/16C223DTP	KMY
R 3	RGC1/16C223DTP	KMY
R 4	RGC1/16C223DTP	KMY
R 5	RGC1/16C223DTP	KMY
R 6	RGC1/16C223DTP	KMY
R 7	RGC1/16C223DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 8	RGC1/16C223DTP	KMY
R 9	RGC1/16C104DTP	KMY
R 10	RGC1/16C104DTP	KMY
R 11	RGC1/16C104DTP	KMY
R 12	RGC1/16C104DTP	KMY
R 13	RGC1/16C104DTP	KMY
R 14	RGC1/16C104DTP	KMY
R 15	RGC1/16C104DTP	KMY
R 16	RGC1/16C472DTP	KMY
R 17	RGC1/16C472DTP	KMY
R 18	RGC1/16C472DTP	KMY
R 19	RGC1/16C472DTP	KMY
R 20	RGC1/16C472DTP	KMY
R 21	RGC1/16C472DTP	KMY
R 22	RGC1/16C472DTP	KMY
R 23	RGC1/16C472DTP	KMY
R 24	RGC1/16C101DTP	KMY
R 25	RGC1/16C101DTP	KMY
R 26	RGC1/16C101DTP	KMY
R 27	RGC1/16C101DTP	KMY
R 28	RGC1/16C101DTP	KMY
R 29	RGC1/16C101DTP	KMY
R 30	RGC1/16C101DTP	KMY
R 31	RGC1/16C101DTP	KMY
R 32	RGC1/16C103DTP	KMY
R 33	RGC1/16C103DTP	KMY
R 34	RGC1/16C103DTP	KMY
R 35	RGC1/16C103DTP	KMY
R 36	RGC1/16C103DTP	KMY
R 37	RGC1/16C103DTP	KMY
R 38	RGC1/16C103DTP	KMY
R 39	RGC1/16C103DTP	KMY
R 40	RGC1/16C101DTP	KMY
R 41	RGC1/16C101DTP	KMY
R 42	RGC1/16C101DTP	KMY
R 43	RGC1/16C101DTP	KMY
R 45	RGC1/16C103DTP	KMY
R 46	RGC1/16C103DTP	KMY
R 47	RGC1/16C103DTP	KMY
R 48	RGC1/16C103DTP	KMY
R 50	※	
R 51	※	
R 52	RGC1/16C101DTP	KMY
R 53	RGC1/16C104DTP	KMY
R 54	RGC1/16C104DTP	KMY
R 55	RGC1/16C104DTP	KMY
R 56	RGC1/16C104DTP	KMY
R 57	RGC1/16C122DTP	KMY
R 58	RGC1/16C122DTP	KMY
R 59	RGC1/16C122DTP	KMY
R 60	RGC1/16C152DTP	KMY
R 61	RGC1/16C152DTP	KMY
R 62	RGC1/16C152DTP	KMY
R 63	RGC1/16C152DTP	KMY
R 64	RGC1/16C152DTP	KMY
R 65	RGC1/16C152DTP	KMY
R 66	RGC1/16C152DTP	KMY
R 67	RGC1/16C152DTP	KMY
R 68	RGC1/16C152DTP	KMY
R 69	RGC1/16C152DTP	KMY
R 70	RGC1/16C152DTP	KMY
R 71	RGC1/16C152DTP	KMY
R 72	RGC1/16C152DTP	KMY
R 73	RGC1/16C152DTP	KMY
R 74	RGC1/16C152DTP	KMY
R 75	RGC1/16C152DTP	KMY
R 76	RGC1/16C152DTP	KMY
R 77	RGC1/16C152DTP	KMY
R 78	RGC1/16C152DTP	KMY
R 79	RGC1/16C152DTP	KMY
R 80	RGC1/16C152DTP	KMY
R 81	RGC1/16C821DTP	KMY
R 82	RGC1/16C122DTP	KMY
R 83	RGC1/16C122DTP	KMY
R 84	RGC1/16C122DTP	KMY

SYMBOL	PARTS CODE	MFD.
R 85	RGC1/16C122DTP	KMY
R 86	RGC1/16C122DTP	KMY
R 87	RGC1/16C122DTP	KMY
R 88	RGC1/16C821DTP	KMY
R 89	RGC1/16C821DTP	KMY
R 90	RGC1/16C122DTP	KMY
R 91	RGC1/16C122DTP	KMY
R 92	RGC1/16C122DTP	KMY
R 93	RGC1/16C122DTP	KMY
R 94	RGC1/16C122DTP	KMY
R 95	RGC1/16C122DTP	KMY
R 96	RGC1/16C122DTP	KMY
R 97	RGC1/16C122DTP	KMY
R 98	RGC1/16C122DTP	KMY
R 99	RGC1/16C821DTP	KMY

< ROTARY ENCODERS >

RE 1	RES20D502011	CPL
RE 1	KNOB	CPL

< SWITCHES >

S 5	TM221L2	FJS
S 5	TZ0111	FJS
S 6	TM221L2	FJS
S 6	TZ0111	FJS
S 7	TM221L2	FJS
S 7	TZ0111	FJS
S 8	TM221L2	FJS
S 8	TZ0111	FJS
S 13	TM221L2	FJS
S 13	TZ0111	FJS
S 14	TM221L2	FJS
S 14	TZ0111	FJS
S 15	TM221L2	FJS
S 15	TZ0111	FJS
S 16	TM221L2	FJS
S 16	TZ0111	FJS
S 21	TM221L2	FJS
S 21	TZ0111	FJS
S 22	TM221L2	FJS
S 22	TZ0111	FJS
S 23	TM221L2	FJS
S 23	TZ0106	FJS
S 24	TM221L2	FJS
S 24	TZ0106	FJS
S 29	TM221L2	FJS
S 29	TZ0111	FJS
S 30	TM221L2	FJS
S 30	TZ0111	FJS
S 31	TM221L2	FJS
S 31	TZ0105	FJS
S 32	TM221L2	FJS
S 32	TZ0105	FJS
S 37	TM221L2	FJS
S 37	TZ0111	FJS
S 38	TM221L2	FJS
S 38	TZ0111	FJS
S 39	TM221L2	FJS
S 39	TZ0111	FJS
S 40	TM221L2	FJS
S 40	TZ0102	FJS
S 41	TM101	FJS
S 41	TZ0011	FJS
S 42	TM221L5	FJS
S 42	TZ0111	FJS
S 44	TM101	FJS
S 44	TZ0011	FJS
S 45	TM221L2	FJS
S 45	TZ0111	FJS
S 46	TM221L5	FJS
S 46	TZ0111	FJS
S 47	TM221L5	FJS
S 47	TZ0111	FJS

SYMBOL	PARTS CODE	MFD.
S 48	TM221L5	FJS
S 48	TZ0111	FJS
S 49	TM101	FJS
S 49	TZ0011	FJS
S 50	TM101	FJS
S 50	TZ0011	FJS
S 51	TM101	FJS
S 51	TZ0011	FJS
S 52	TM101	FJS
S 52	TZ0011	FJS
S 53	TM101	FJS
S 53	TZ0011	FJS

< TRANSISTORS >

TR 1	2SC4154T1111G	MIT
TR 2	2SC4154T1111G	MIT
TR 3	2SC4154T1111G	MIT
TR 4	2SC4154T1111G	MIT
TR 5	2SC4154T1111G	MIT
TR 6	2SC4154T1111G	MIT
TR 7	2SC4154T1111G	MIT

VR BOARD (COMMON)

PP-906532

SYMBOL	PARTS CODE	MFD.
< CONNECTORS >		
CN 222	A3B10PA2DSA71	HRS
< VARIABLE RESISTORS >		
VR 1	40ST902361	ALP
VR 2	40ST902361	ALP
VR 3	40ST902361	ALP
VR 4	40ST902361	ALP

IR BOARD (COMMON)

PP-906529

SYMBOL	PARTS CODE	MFD.
< CONNECTORS >		
CN 1	ML63P	MAC
CN 2	ML63P	MAC
< INTEGRATED CIRCUITS >		
IC 1	RS141	CTZD

LED BOARD (1517R)

PP-906533

SYMBOL	PARTS CODE	MFD.
< CONNECTORS >		
CN 922	90C4N59040	UTK
< DIODES >		
D 1	MVR2272S	STL
D 2	MVR2272S	STL
D 3	MPG2272S	STL
D 4	MPG2272S	STL

ACCESSORY (EUR)

1-N64073

SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.	SYMBOL	PARTS CODE	MFD.
< AC CODE SET >								
	VM0306B-0303B 2.5m	HRA						

ACCESSORY (JPN)

1-N64071

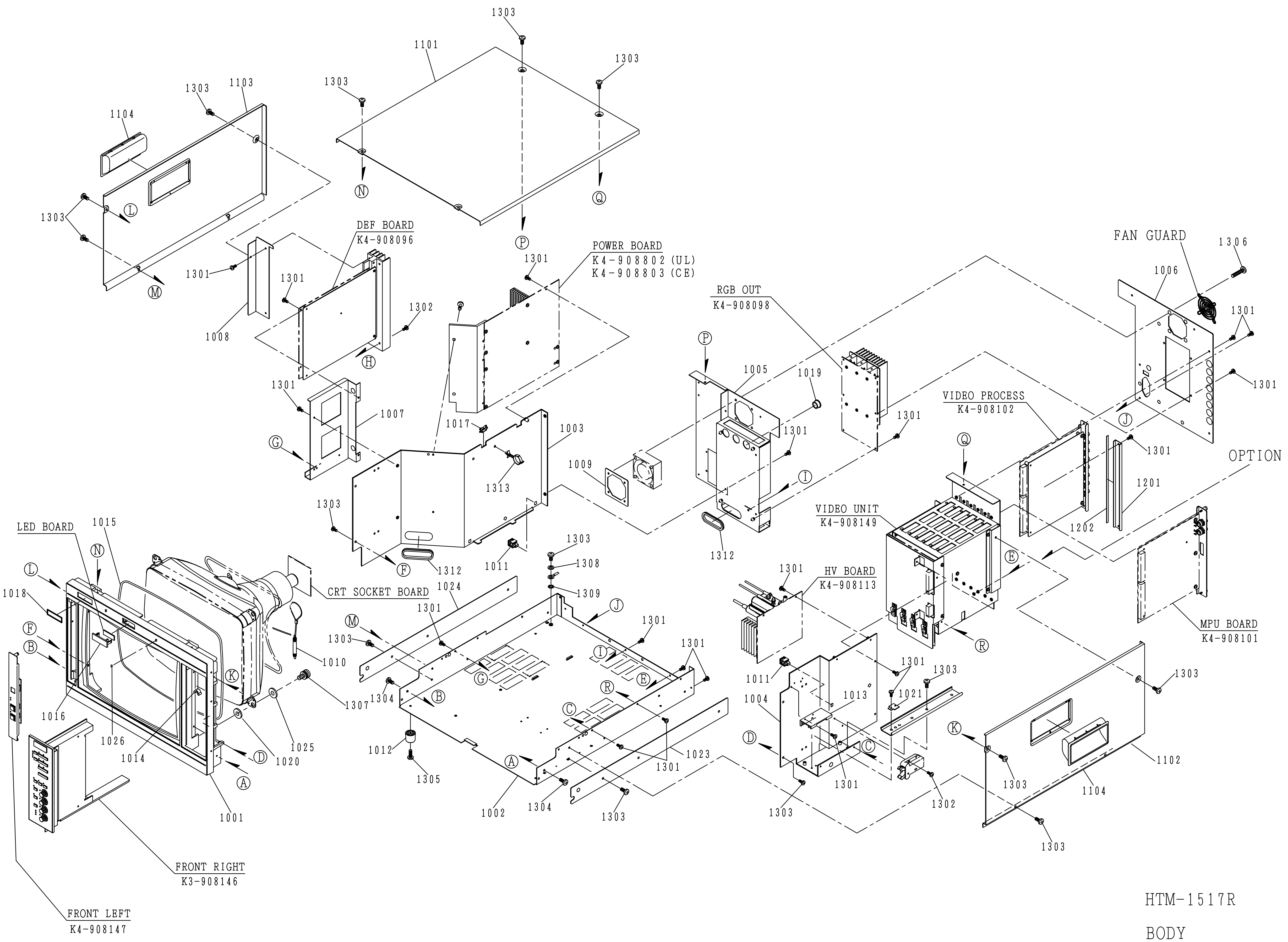
SYMBOL	PARTS CODE	MFD.
< AC CODE SET >		
	VM1165B-1150 2.5m	HRA

ACCESSORY (USA)

1-N64072

SYMBOL	PARTS CODE	MFD.
< AC CODE SET>		
	VM0234-VM0089A 2.5m	HRA

3. MECHANICAL PARTS and EXPLODER VIEW



HTM-1517R

BODY

EXPLODED VIEW (1/2)

K3-908808

IKEGAMI TSUSHINKI CO. LTD.

BODY

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1001	2-E	ESCUTCHEON	M2-923641	1
1002	3-E	CHASSIS	M1-N64142 (B)	1
1003	4-C	LEFT FRAME	M2-923650	1
1004	5-D	RIGHT FRAME	M3-923651	1
1005	5-C	REAR CHASSIS	M2-923652	1
1006	7-B	REAR COVER	M2-N64020	1
1007	3-C	DEF MOUNT METAL	M3-923654	1
1008	2-B	COVER METAL	M4-923655	1
1009	4-C	FAN METAL	M4-923624	1
1010	2-D	EARTH SPRING	M4-279433A	2
1011	3-D, 5-D	PCB HOLDER	M3-908268	5
1012	3-E	MONITOR FOOT	M4-908267	4
1013	5-D	GUIDE (1)	M4-912830	1
1014	1-E	RAIL GUIDE	M4-914254	1
1015	1-C	PACKING	KG-CR5890	2
1016	1-D	TALLY	M4-912378	1
1017	3-C	EDGING SADDLE	EDS-3	2
1018	1-D	IKEGAMI LOGO	D45	1
1019	5-C	BUSHING	NB-15	3
1020	6-B	CRT SPACER	A5052P-H34-0.8-16-6.3	4
1021	5-D	STOPPER	M4-923664	1
1023	4-E	CHASSIS COVER (R)	M3-N51027	1
1024	3-D	CHASSIS COVER (L)	M3-N51028	1
1025	2-E	CRT WASHER (1)	M4-924933	4
1026	1-E	ESC BLANK	M4-924237 (A)	2

BODY COVER

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1101	3-A	TOP COVER	M2-N51025	1
1102	7-E	SIDE COVER	M2-N36122 (A)	1
1103	2-A	SIDE COVER	M2-N36122 (B)	1
1104	1-A, 6-E	HANDLE	M2-911020	2

BLANKMETAL (1)

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1201	7-C	BLANK METAL (1)	M4-923692	1
1202	6-C	SHIELD TIGH	STG1-5-233	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q' ty
1301	2-B, 2-C 3-B, 3-D 4-D, 4-E 5-V, 5-D 5-E, 7-B 7-C	SCREW	MCB3-6FN	43
1302	3-B, 6-E	SCREW	MCB3-8FN	5
1303	1-B, 2-A 2-C, 2-D 3-A, 4-A 4-C, 4-E 5-E, 6-D 6-E, 7-D	SCREW	MCB4-6FN	24
1304	3-D, 3-E	SCREW	MCB4-8FN	4
1305	3-E	SCREW	MCB4-14FN	4
1306	7-B	SCREW	MCB4-25FN	4
1307	2-D	SCREW	SCB6-16FN	4
1308	4-D	WASHER	W2P4FN	1
1309	4-D	WASHER	WO4FZ	1
				4
1312	3-D, 4D	BUSHING (2)	M4-916295	2
1313	3-C	WIRE STAND OFF	WS75-75-M	3

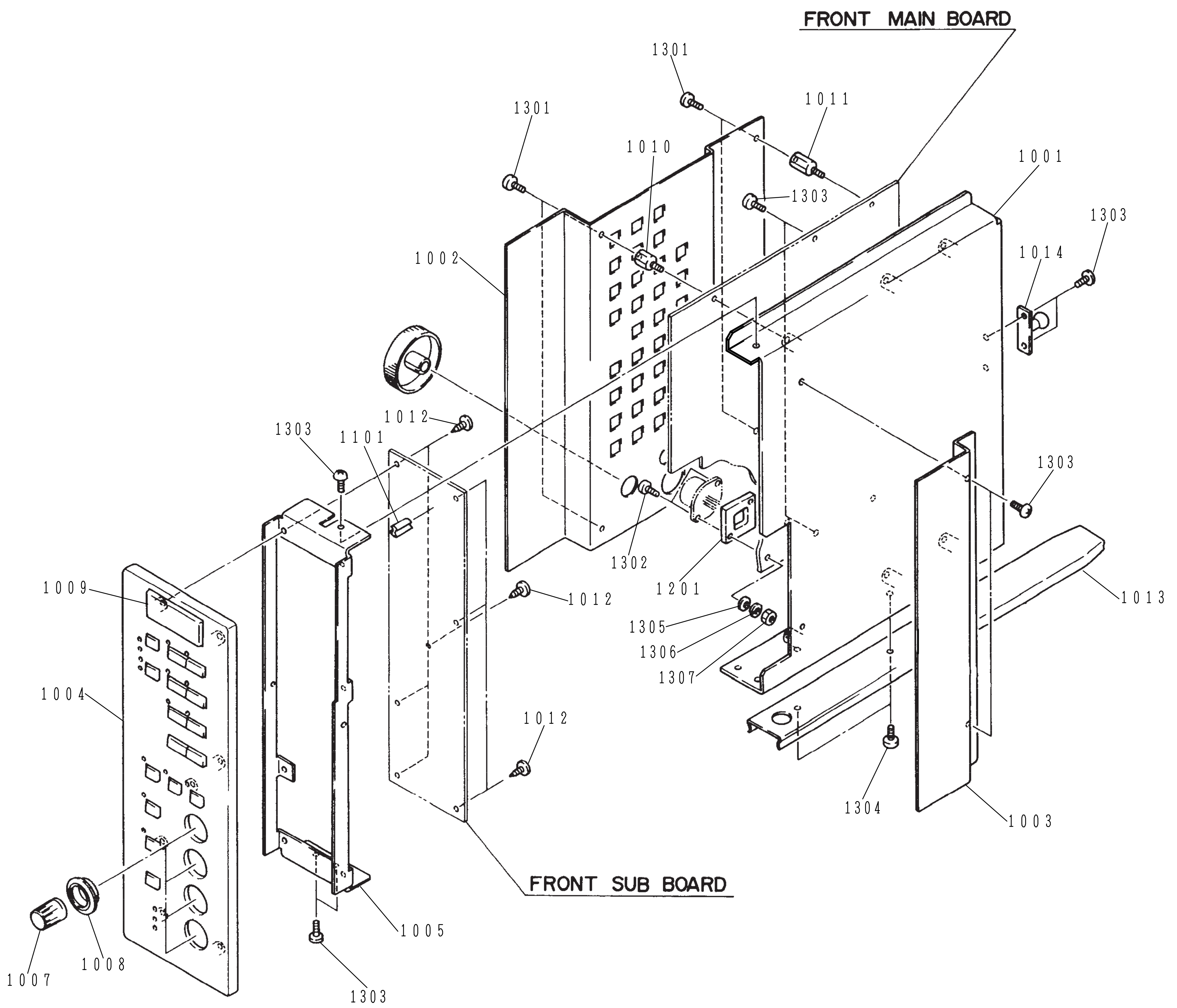
HTM-1517R

BODY

EXPLODED VIEW (2/2)

K3-908808

IKEGAMI TSUSHINKI CO. LTD.



FRONT RIGHT

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	5-B	FRONT CHASSIS	M2-923443	1
1002	2-B	FRONT COVER (1)	M2-N64118	1
1003	5-D	FRONT COVER (2)	M4-920631	1
1004	1-D	RIGHT PANEL	M1-923412 (A)	1
1005	2-E	FRONT METAL	M3-923746	1
1006	2-B	ROTARY KNOB	M4-923463	1
1007	1-E	VR KNOB	M3-950094	4
1008	1-E	VR GUIDE	M3-923464	4
1010	3-B	SUPPORT	SBB-308 (E)	2
1011	4-A	SPACER	SBB-312 (E)	2
1012	2-C, 3-C 3-D	SCREW	TBB2.6-8FN	7
1013	5-C	SLIDE RAIL	TTM-01078	1
1014	5-B	TOUCH LATCH	TTL-00562	1

HTM-1550R
MODEL PLATE

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1009	1-C	MODEL PLATE	M4-923660	1

HTM-1505R
MODEL PLATE

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1009	1-C	MODEL PLATE	M4-924222	1

HTM-1517R
MODEL PLATE

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1009	1-C	MODEL PLATE	M4-N64044	1

FRONT PANEL BOARD

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	2-C	LED SPACER	LH-5-10	22

FRONT MAIN BOARD PAR

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1201	3-C	CONNECTOR SPACER	M4-911716	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1301	2-B	SCREW	MCB3-6FL	4
1302	3-C	SCREW	MCB2.6-10FN	2
1303	2-C, 2-E 3-A, 4-B 5-B, 5-C	SCREW	MCB3-6FN	9
1304	4-D	SCREW	MCB4-6FN	2
1305	3-D	WASHER	W2P2.6FN	2
1306	3-D	WASHER	WS2.6FN	2
1307	3-D	NUT	N1H2.6FN	2

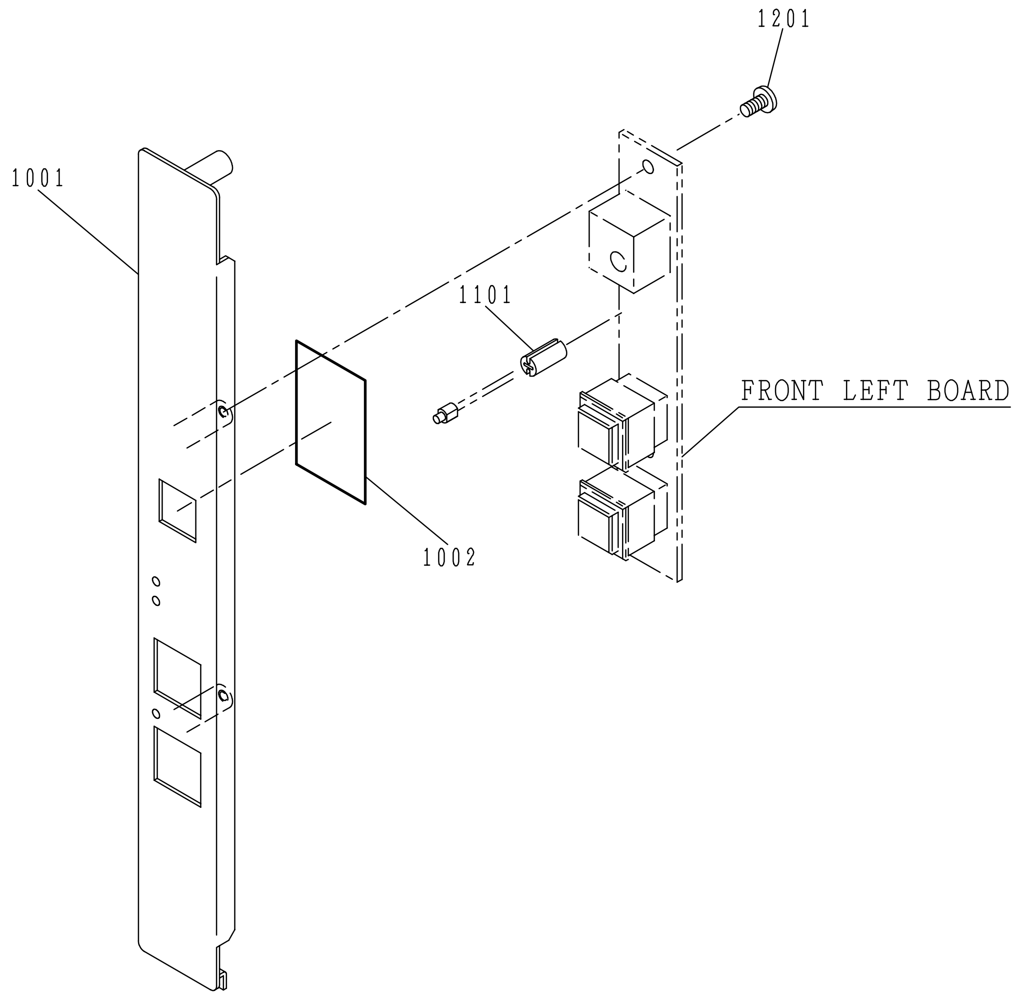
HTM-1550R/1505R/1517R

FRONT RIGHT

EXPLODED VIEW

K3-908146

IKEGAMI TSUSHINKI CO. LTD.



FRONT PANEL

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	1-A	LEFT PANEL	M3-923657	1
1002	2-B	FILTER	M4-923703	1

FRONT LEFT BOARD PAR

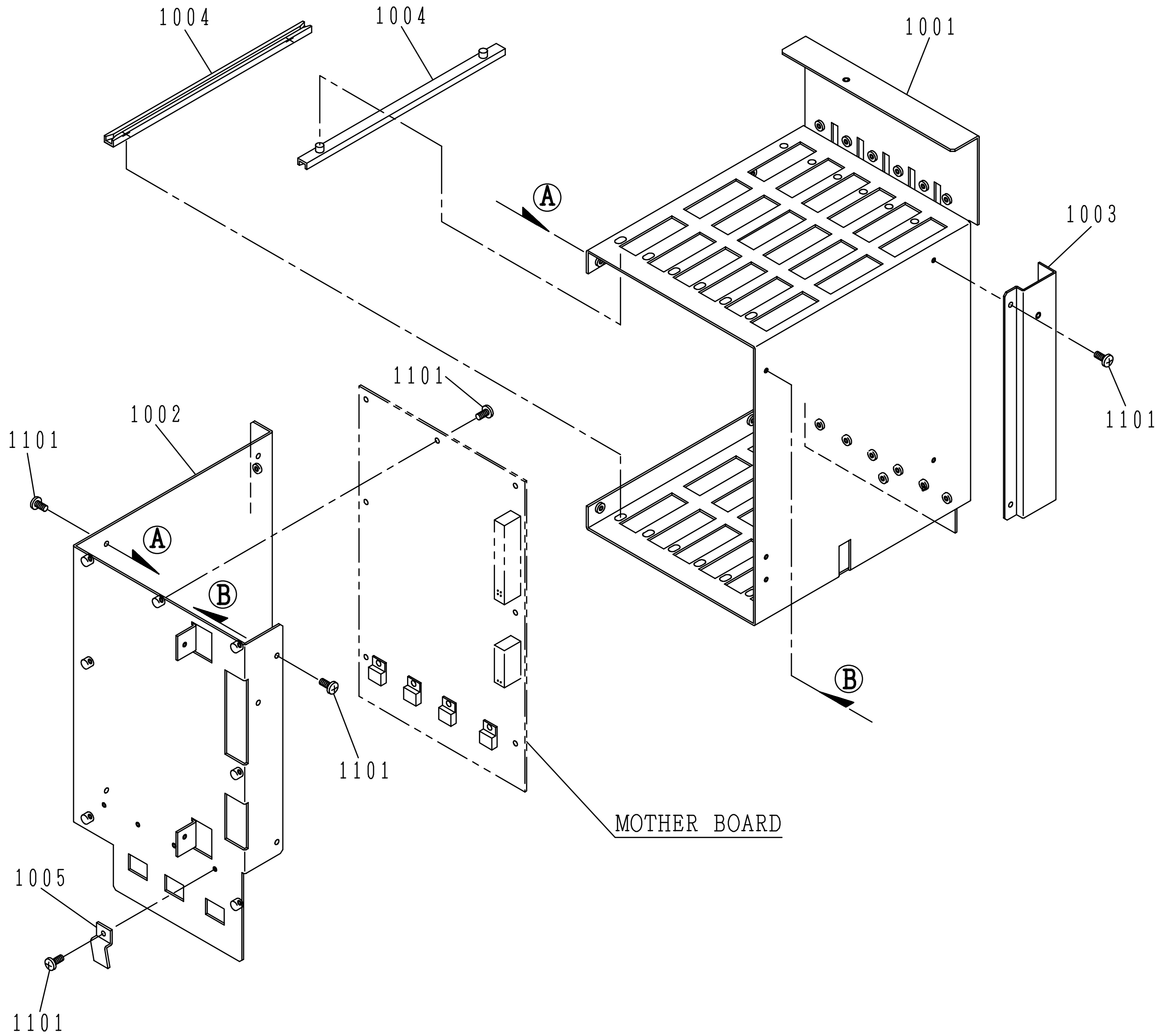
No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	2-A	LED SPACER	LH-5-10	3

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1201	3-A	SCREW	MCB3-6FN	2

1550R/1505R/1517R
FRONT LEFT
EXPLODED VIEW
K4-908147

IKEGAMI TSUSHINKI CO.LTD.



VIDEO UNIT (HTM1550R) PM-903375 99033-20750

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	3-A	RAIL CHASSIS (1)	M2-923661	1
1002	1-B	RAIL CHASSIS (2)	M2-923662	1
1003	4-A	RAIL CHASSIS (3)	M4-923663	1
1004	1-A, 2-A	GUIDE RAIL	GRT-170	12
1005	1-C	TR HOLDER	TRB1806 (M1806)	4

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	1-B, 1-D 2-B, 2-C 4-B	SCREW	MCB3-6FN	19

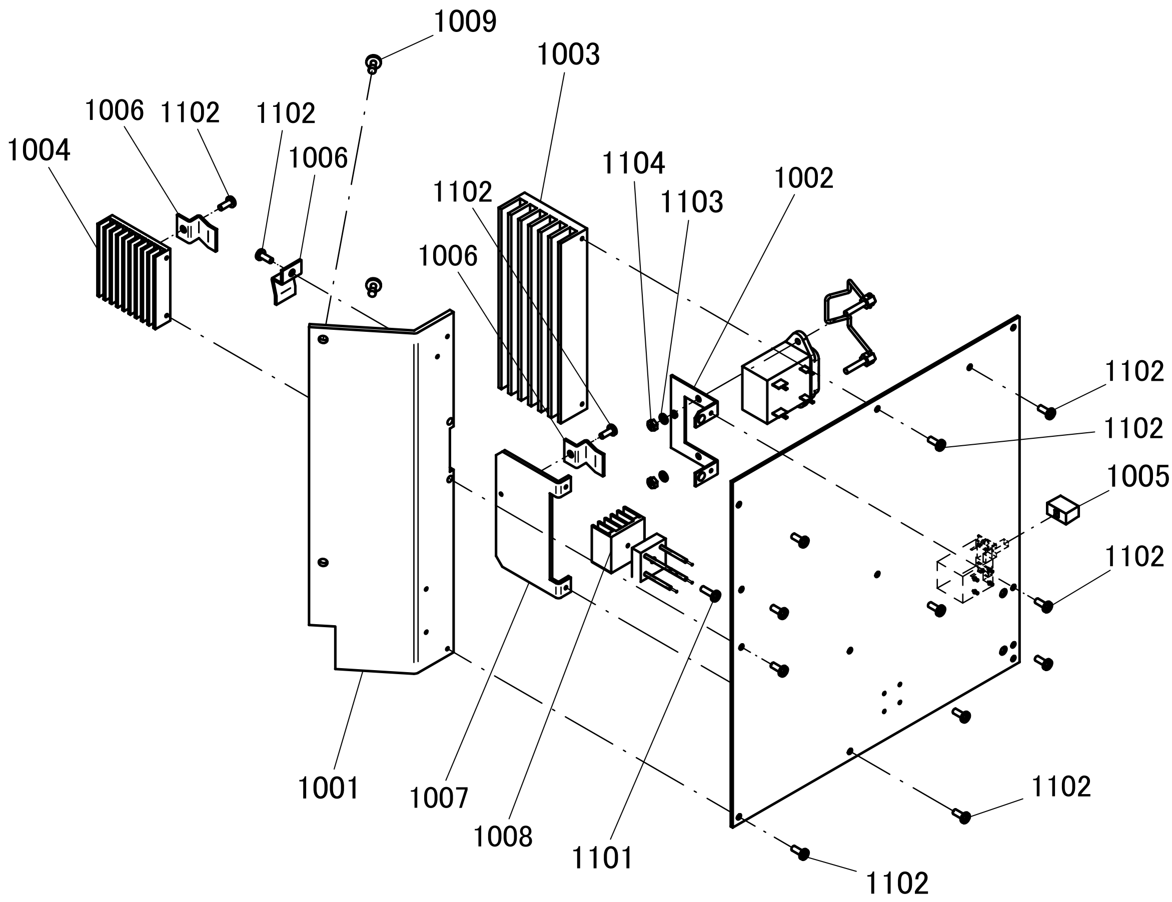
HTM-1550R/1505R/1517R

VIDEO UNIT

EXPLODED VIEW

K4-908149 -

IKEGAMI TSUSHINKI CO. LTD.



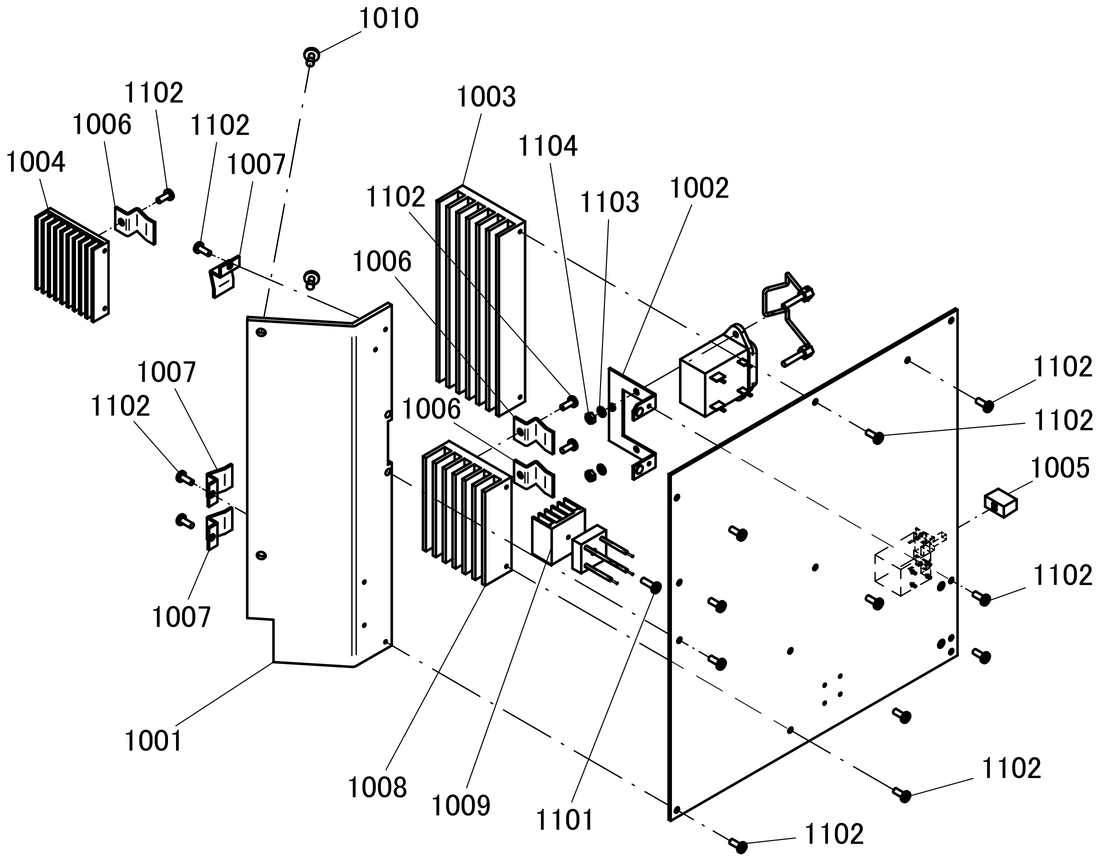
No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	1-C	PS HS(4)	M3-N51056	1
1002	3-A	INRET METAL	M4-923382-000	1
1003	2-A	PS HS(3)	M4-N51055	1
1004	1-A	PS HS(1)	M4-N51053	1
1005	4-B	POWER BUTTON	M3-917616-000	1
1006	1-A,2-A	SUPPORT(1)	M4-J88091-000	3
1007	2-C	PS HS(5)	M4-N51080	1
1008	2-C	HS (D)	M4-N51068	1
1009	2-A	SCREW	M4-923537-000	2
1101	2-C	SCREW	MCB3-10FN	1
1102	1-A,2-A,3-C,4-	SCREW	MCB3-8FN	16
1103	3-A	WASHER	WS3FN	2
1104	2-A	NUT	N1H3FN	2

HTM-1990/1917/1517

POWER BOARD(UL)

K4-908802

IKEGAMI TSUSHINKI CO., LTD. I



No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	1-C	PS HS(4)	M3-N51056	1
1002	3-A	INRET METAL	M4-923382-000	1
1003	2-A	PS HS(3)	M4-N51055	1
1004	1-A	PS HS(1)	M4-N51053	1
1005	4-B	POWER BUTTON	M3-917616-000	1
1006	1-A,2-A,2-B	SUPPORT(1)	M4-J88091-000	3
1007	1-A,1-B	SUPPORT(1)TUIKA	M4-N13071	3
1008	2-C	PS HS(2)	M4-N51054	1
1009	2-C	HS (D)	M4-N51068	1
1010	2-A	SCREW	M4-923537-000	2
1101	2-C	SCREW	MCB3-10FN	1
1102	1-A,1-B,2-A,3-	SCREW	MCB3-8FN	19
1103	2-A	WASHER	WS3FN	2
1104	2-A	NUT	N1H3FN	2

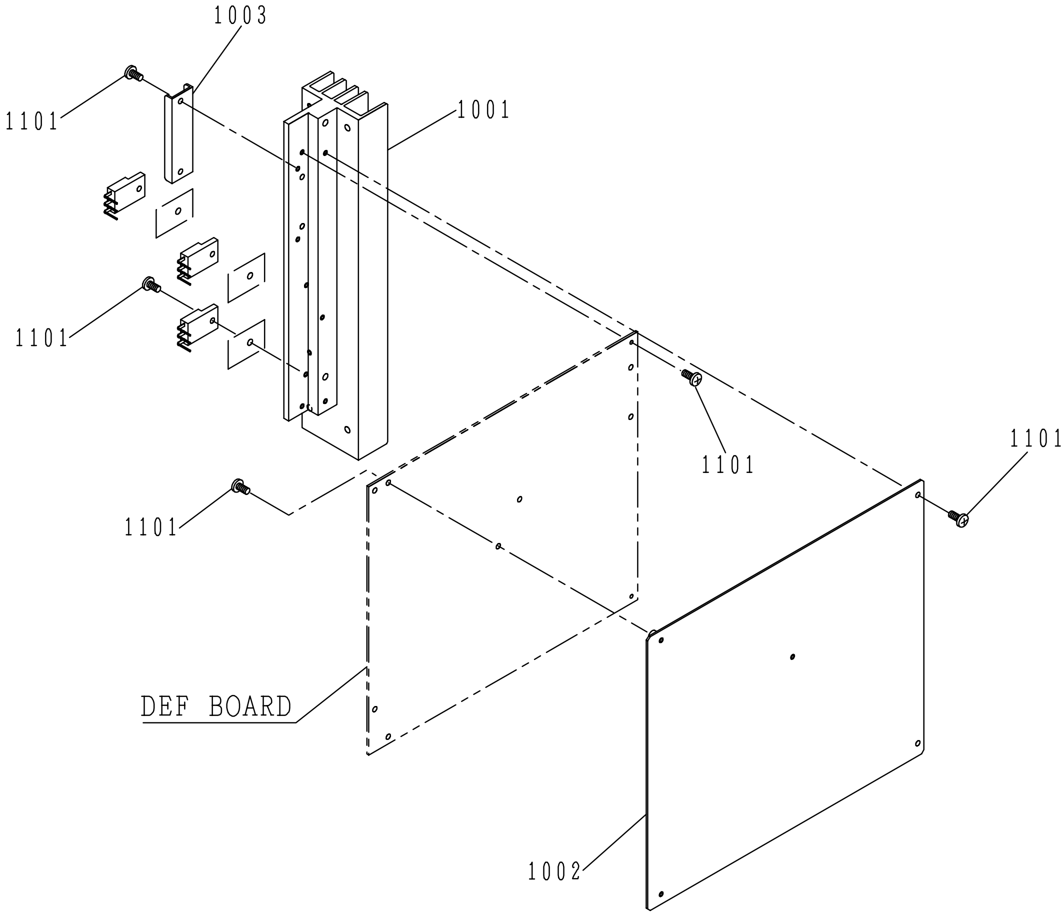
HTM-1990/1917/1517

POWER BOARD(CE)

K4-908803

IKEGAMI TSUSHINKI CO., LTD.

I



DEF BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	2-A	HEAT SINK (DEF)	M3-924812	1
1002	2-C	SHIELD PANEL (D)	M4-923535	1
1003	1-A	TR FIXING METAL	M4-909466	1

SCREW

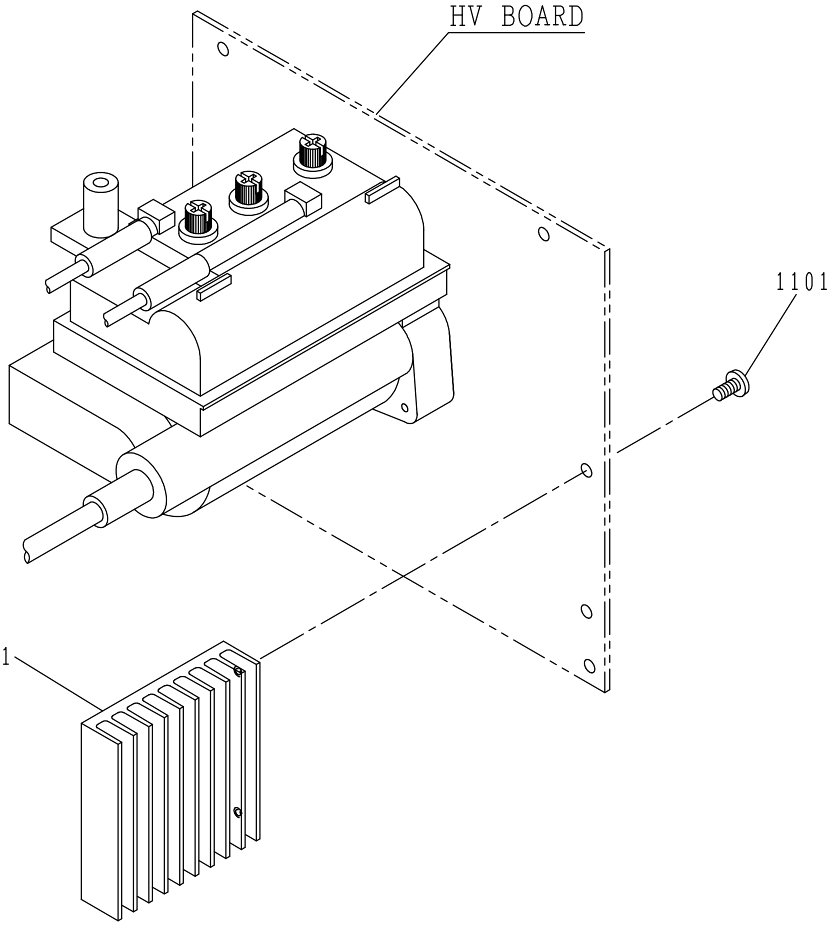
No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	1-A, 1-B 3-B, 4-B	SCREW	MCB3-6FN	12

HTM-2050R/2005R/2070R/1550R/1505R
1550CS/1505CS/1517R/1917R/1990R

DEF BOARD
EXPLODED VIEW
K4-908096

IKEGAMI TSUSHINKI CO. LTD.

1	2	3	4



HV BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	1-C	HEAT SINK(HV)	M4-N36119	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	4-B	SCREW	MCB2.6-6FN	2

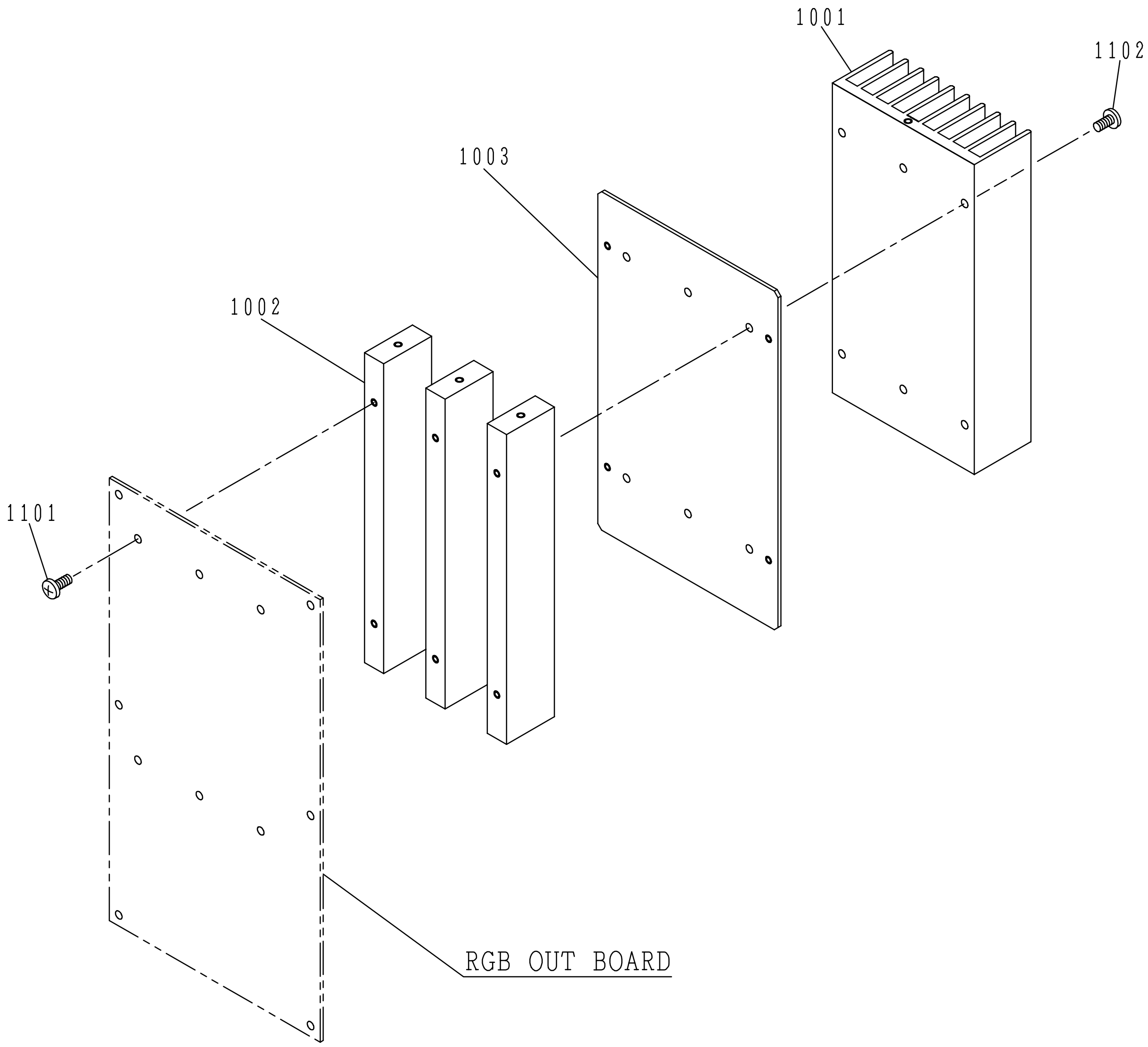
HTM-1517R

HV BOARD

EXPLODED VIEW

K4-908809

IKEGAMI TSUSHINKI CO. LTD.



RGB OUT BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	3-A	HEAT SINK (1) (RGB)	M4-923539	1
1002	1-B	HEAT SINK (2) (RGB)	M4-923541	3
1003	2-A	HEAT SINK (3) (RGB)	M4-923689	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	1-B	SCREW	MCB3-6FN	6
1102	4-A	SCREW	MCB3-8FN	6

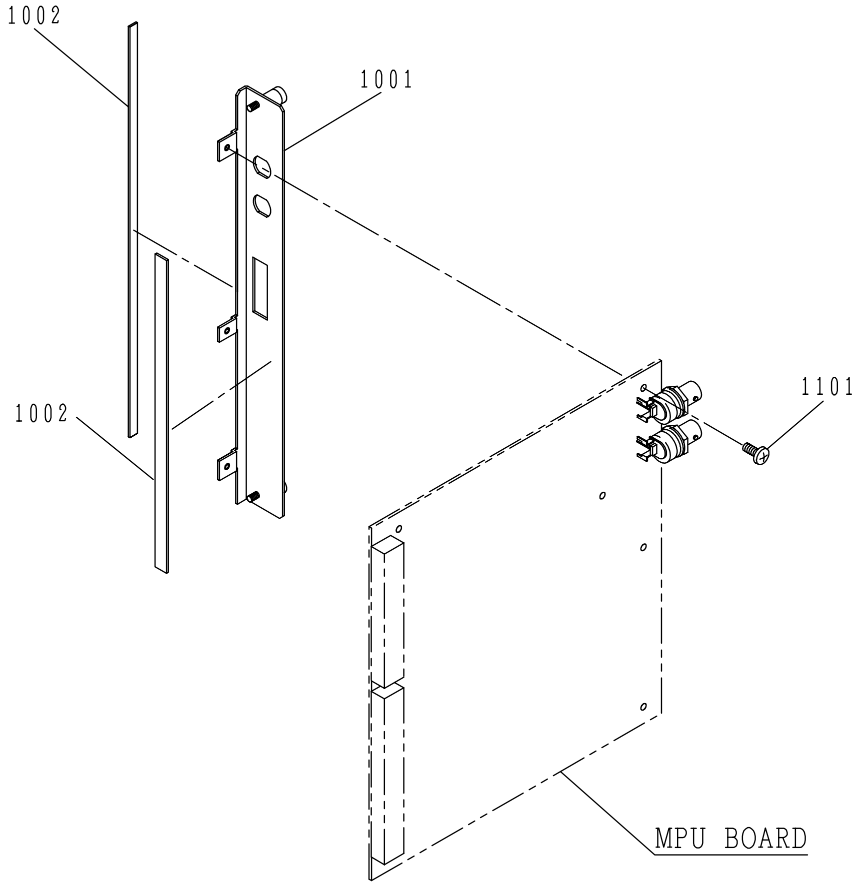
HTM-2050R/2005R/2070R/1550R/1505R
1517R/1917R

RGB OUT BOARD

EXPLODED VIEW

K4-908098

IKEGAMI TSUSHINKI CO. LTD.



MPU BOARD PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	2-A	BNC METAL (MPU)	M4-923636	1
1002	1-A	SHIELD TIGHT	STG1.5-5-233	1
1003	1-B	SHIELD TIGHT	STG1-7-195	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	3-B	SCREW	MCB3-4FN	1

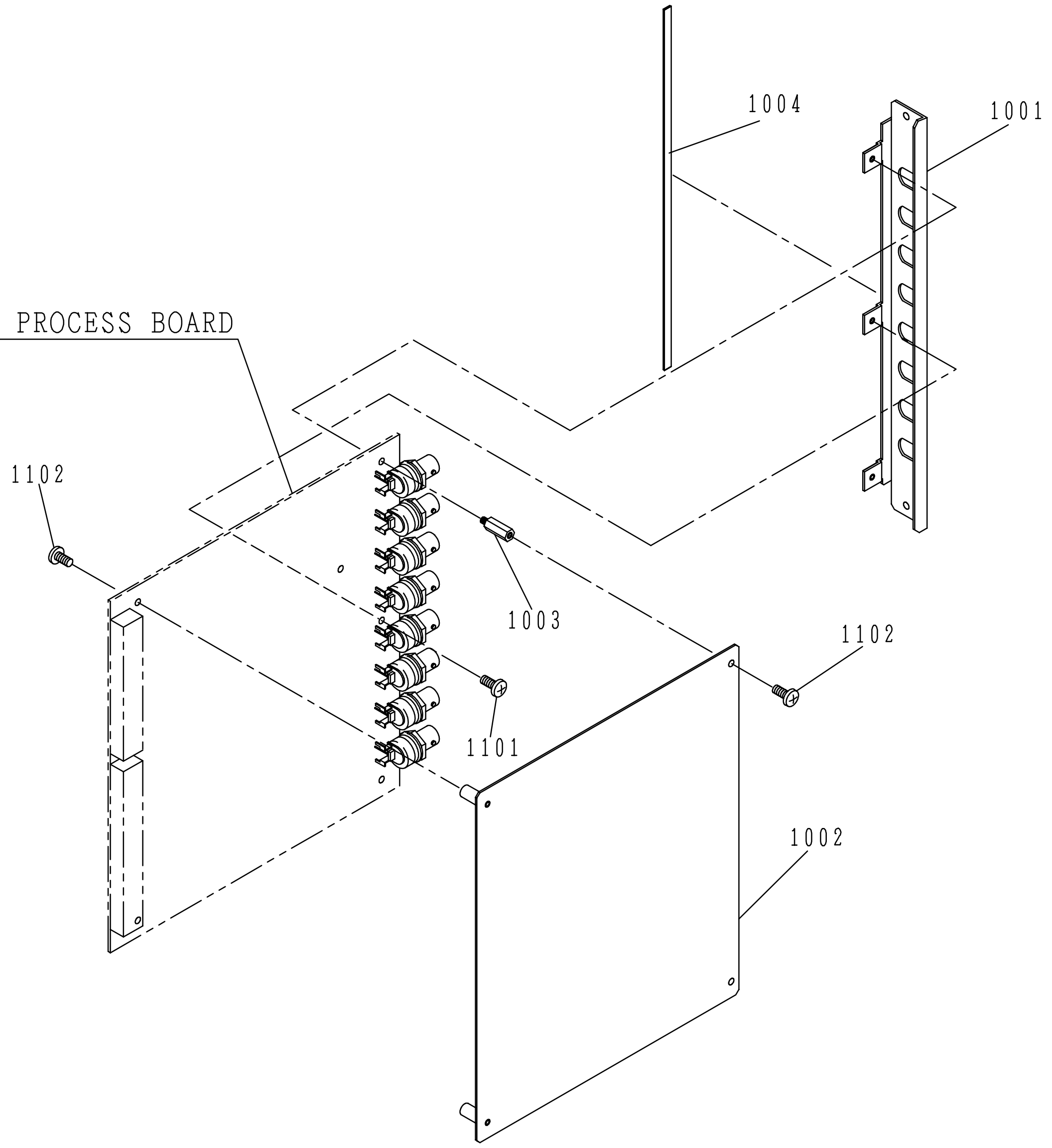
HTM-2050R/2005R/2070R/1550R/1505R
1550CS/1505CS/1517R/1917R/1990R

MPU BOARD

EXPLODED VIEW

K4-908101

IKEGAMI TSUSHINKI CO. LTD.



VIDEO PROCESS PARTS

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1001	4-A	BNC METAL (1)	M4-923418 (B)	1
1002	3-B	SHIELD PLATE (V)	M4-923681	1
1003	2-B	SUPPORT	M4-923680 (A)	2
1004	3-A	SHIELD TIGHT	STG1-7-195	1

SCREW

No.	INDEX	PARTS NAME	PARTS No.	Q'ty
1101	2-C	SCREW	MCB3-4FN	1
1102	1-B, 3-B	SCREW	MCB3-6FN	4

HTM-2050R/2005R/2070R/1550R/1505R
1550CS/1505CS/1517R/1917R/1990R

VIDEO PROCESS
EXPLODED VIEW
K4-908102

IKEGAMI TSUSHINKI CO. LTD.

MODEL HTM-1517R

MULTI-FORMAT COLOR MONITOR

SERVICE MANUAL

Published by Ikegami Tsushinki Co., Ltd.

- Specifications and design are subject to change without notice.

SMC1517 U/E

Edited by Koyo 21 Co., Ltd. 07 Oct.

Ikegami

Ikegami Tsushinki Co., Ltd.

5-6-16, Ikegami, Ohta-ku, Tokyo, Japan 146-8567
Phone:(03)5700-1111 Fax:(03)5700-1137

Ikegami Electronics (U.S.A.), Inc.

37 Brook Avenue, Maywood, New Jersey 07607
Phone:(201)368-9171, Fax:(201)569-1626

Ikegami Electronics (Europe) GmbH

Ikegami strasse 1, 41460 Neuss 1, F. R. Germany
Phone:(02131)123-0, Fax:(02131)102820

Property of

PRINTED IN JAPAN